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Gravity Survey along the Lines of Precise Levels throughout Japan by Means of a WORDEN Gravimeter

Part VI. Chûbu District.

October, 1955

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Gravity Survey along the Lines of Precise Levels throughout Japan by Means of a WORDEN Gravimeter.

Part VI. Chûbu District.

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Earthquake Research Institute.

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1. Introduction

Since the spring of 1951, the writers have been engaged in an extensive gravimeter survey along the entire length of the lines of precise levels throughout Japan by means of a WORDEN gravimeter. The net work of the lines of precise levels belonging to the Geographical Survey Institute covers the whole country densely as was shown in Fig. 1 of Part I, and it reaches approximately 20,000 km in total length. The bench marks are laid at an average interval of 2 km measured along these level lines. In the present survey, the gravity values have been measured at every other one of these bench marks, that is at intervals of 4 km. The results of the gravimeter measurements that were obtained in the Shikoku, Chûgoku and Kinki Districts were already

published as Pt. I, Pt. II, Pt. III and Pt. V of these serial reports (TSUBOI et al.: 1953, 1954). The present report is the sixth in the series and is particularly concerned with the results obtained in the Chûbu District (TSUBOI et al.: 1953).

2. Lines of Precise Levels in the Chûbu District

The Chûbu District occupies the central mountainous part of Honshû, the main island of Japan as shown in Fig. 1. Fig. 1 also shows the topography of the District. The District is appoximately 66,700 km² in area and comprises nine administrative prefectures, viz., (14) Niigata, (15) Toyama, (16) Ishikawa, (17) Fukui, (18) Yamanashi, (19) Nagano, (20) Gifu, (21) Shizuoka and (22) Aichi. The networks of the lines of precise levels in this district, along which the gravity values were measured, are shown in Fig. 2 together with the prefecture boundaries. The lines are altogether about 3,000 km in length, and at 748 points along them, the gravity values were determined. In this number are also included several identifiable points, such as local weather stations, of which the altitudes are known with a sufficiently high accuracy for the purpose of our gravity reductions. The number of points at which the gravity values were determined in each of the nine prefectures is given in Table I. The gravimeter survey in this district was made in various periods, namely, June, October and November, 1951, January and October, 1952, and May, September and October, 1953.

Table I.
Number of Gravimeter Stations.

Prefecture	Number
(14) Niigata	152
(15) Toyama	38
(16) Ishikawa	64
(17) Fukui	63
(18) Yamanashi	41
(19) Nagano	152
(20) Gifu	88
(21) Shizuoka	116
(22) Aichi	34
Total	748

3. Methods of Measurements and Reductions

Since the methods of measurements and reductions are the same as those already stated in Pt. I, Pt. II and Pt. V, no repeated description will be necessary, nor further comments need be added. The one important thing which must be mentioned is that no attempt has been made here, as in the previous reports, to adjust the measured gravity values by simultaneous net calculations. Actually, the whole length of the lines of measurements is a connected chain consisting of a number

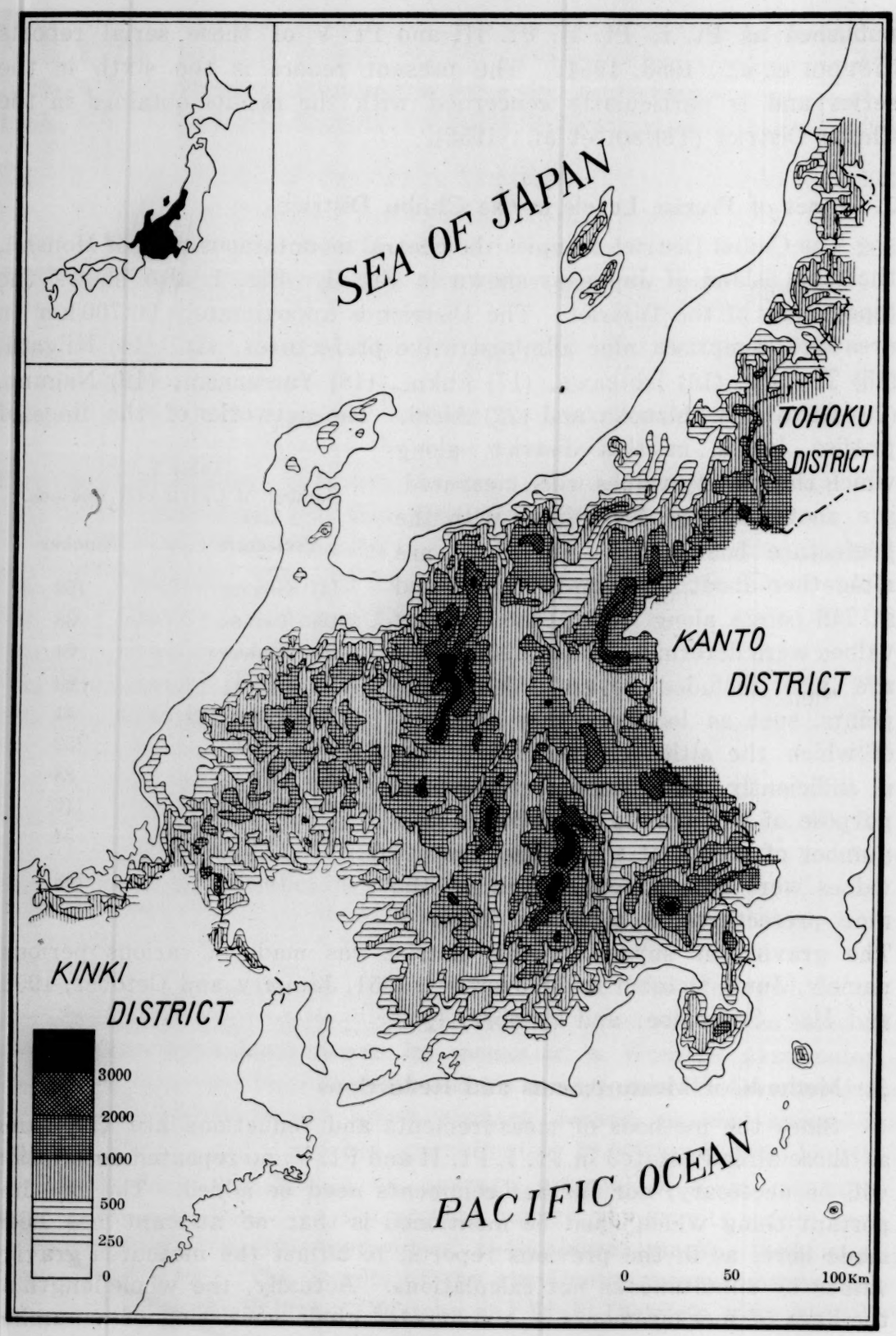


Fig. 1. Topography of the Chûbu District.
Height in m.

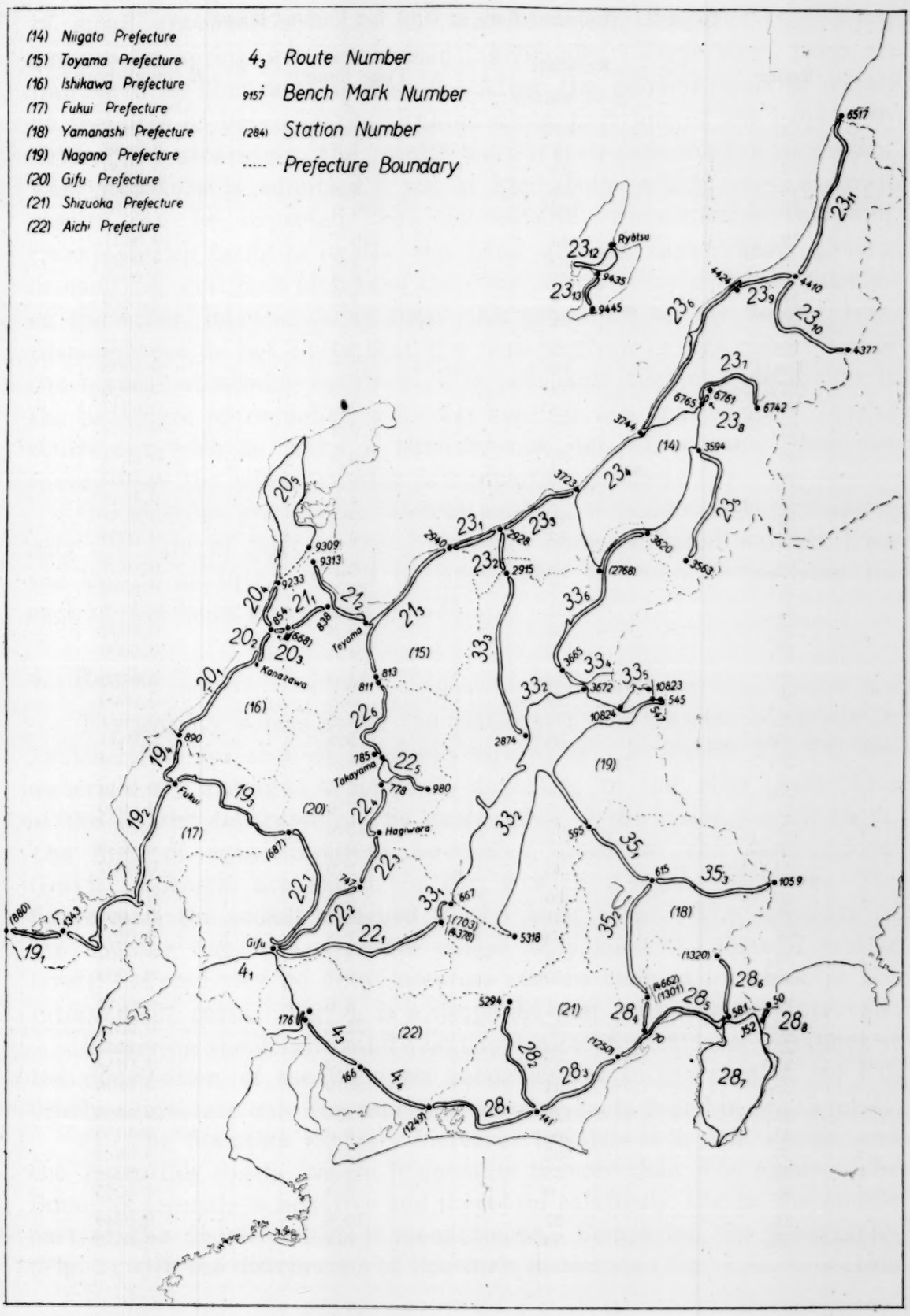


Fig. 2. Lines of Precise Levels in the Chûbu District with the Prefecture Boundaries.

Table II. Apparent Rate of Drift for Various Loops.

Route	Residual (0.01 mgal.)	Time (hour)	R (mgal./hour)
4_1	561	67.5	0.0831
4_3	17	3.5	0.0486
4_4	23	5.9	0.0390
19_1	26	3.2	0.0813
19_2	102	20.0	0.0510
19_3	45	10.7	0.0421
19_4	20	3.2	0.0625
20_1	48	7.4	0.0649
20_2	8	3.2	0.0250
20_3	16	1.1	0.1455
20_4	25	3.4	0.0735
20_5	90	17.7	0.0508
21_1	14	2.2	0.0636
21_2	26	7.5	0.0347
21_3	73	9.9	0.0737
22_1	37	9.9	0.0374
22_2	55	8.7	0.0632
22_3	46	4.4	0.1045
22_4	18	3.1	0.0581
22_5	52	9.3	0.0559
22_6	39	7.0	0.0557
22_7	71	10.6	0.0670
23_1	31	2.1	0.1476
23_2	24	3.8	0.0632
23_3	0	4.5	0.0000
23_4	114	14.9	0.0765
23_5	29	5.8	0.0500
23_6	119	14.5	0.0821
23_7	26	5.9	0.0441
23_8	4	1.1	0.0364
23_9	70	11.4	0.0614
23_{10}	55	7.9	0.0696
23_{11}	103	13.6	0.0757
23_{12}	27	5.1	0.0529
23_{13}	26	2.9	0.0897
28_1	20	8.1	0.0247
28_2	11	11.4	0.0097
28_3	43	7.8	0.0551
28_4	6	3.1	0.0194
28_5	30	9.7	0.0309
28_6	− 1	5.6	−0.0018
28_7	99	31.8	0.0311
28_8	− 4	0.9	−0.0444
33_1	27	3.3	0.0818
33_2	254	36.0	0.0706
33_3	112	12.1	0.0926
33_4	166	16.6	0.1000
33_5	102	15.1	0.0675
33_6	33	10.8	0.0306
35_1	9	3.4	0.0265
35_2	37	10.6	0.0349
35_3	50	8.2	0.0610

of small gravimetric loops, for each of which the drift rate of the gravimeter spring was determined individually. These small loops are numbered as illustrated in Fig. 2. After the relative gravity values at the sites of bench marks situated along each one of the loops were determined separately, the results were merely connected in succession. This procedure is admittedly not a kind from which very accurate results can be expected, but unavoidable circumstances regarding transportation facilities on the one hand and the rather hasty general demand for getting a picture of the distribution of the gravity anomalies on the other, have made us adopt this procedure as the second best. Although we do not claim that the results given in this report are of the highest attainable accuracy, it is not likely that any difference in the procedure of reduction will alter sensibly the final results. It is of course our wish to make a simultaneous net adjustment when the survey over the whole country is completely finished.

Our WORDEN gravimeter has been working with admirable perfection, only the rate of drift of the gravimeter spring differed sensibly from one loop to another. It will be interesting to compare the rate for each of the loops given in Table II.

4. Results

The gravity values at all the stations in this district are given in Tables III-XI for each of the loops separately. In Tables XII-XX, the materials are arranged synoptically according to the nine prefectures of the district separately. The explanation of the tables precede them. The lines of equal BOUGUER anomalies based on the International Gravity Formula are shown in Fig. 3 with 2 mgal. intervals. The figure is in the pocket attached to the back cover. The locations of the contour lines are accurate where they meet the lines of precise levels, but obviously no great accuracy can be claimed for those in the intervenient parts. Fig. 4 is a simplified map with 5 mgal. intervals.

Reserving the detailed and quantitative geophysical interpretations of the distribution of the BOUGUER anomalies for future studies, we will briefly enumerate only the especially notable facts found in Fig. 3 (or 4).

1) The BOUGUER anomaly increases towards both the Pacific and the Japan Sea coasts, where it amounts to more than +50 mgals. The BOUGUER anomaly is negative and therefore relatively low in the middle part of the district which is mountainous. Comparing the topography (Fig. 1) with the distribution of BOUGUER anomalies (Fig. 3 or 4) in this

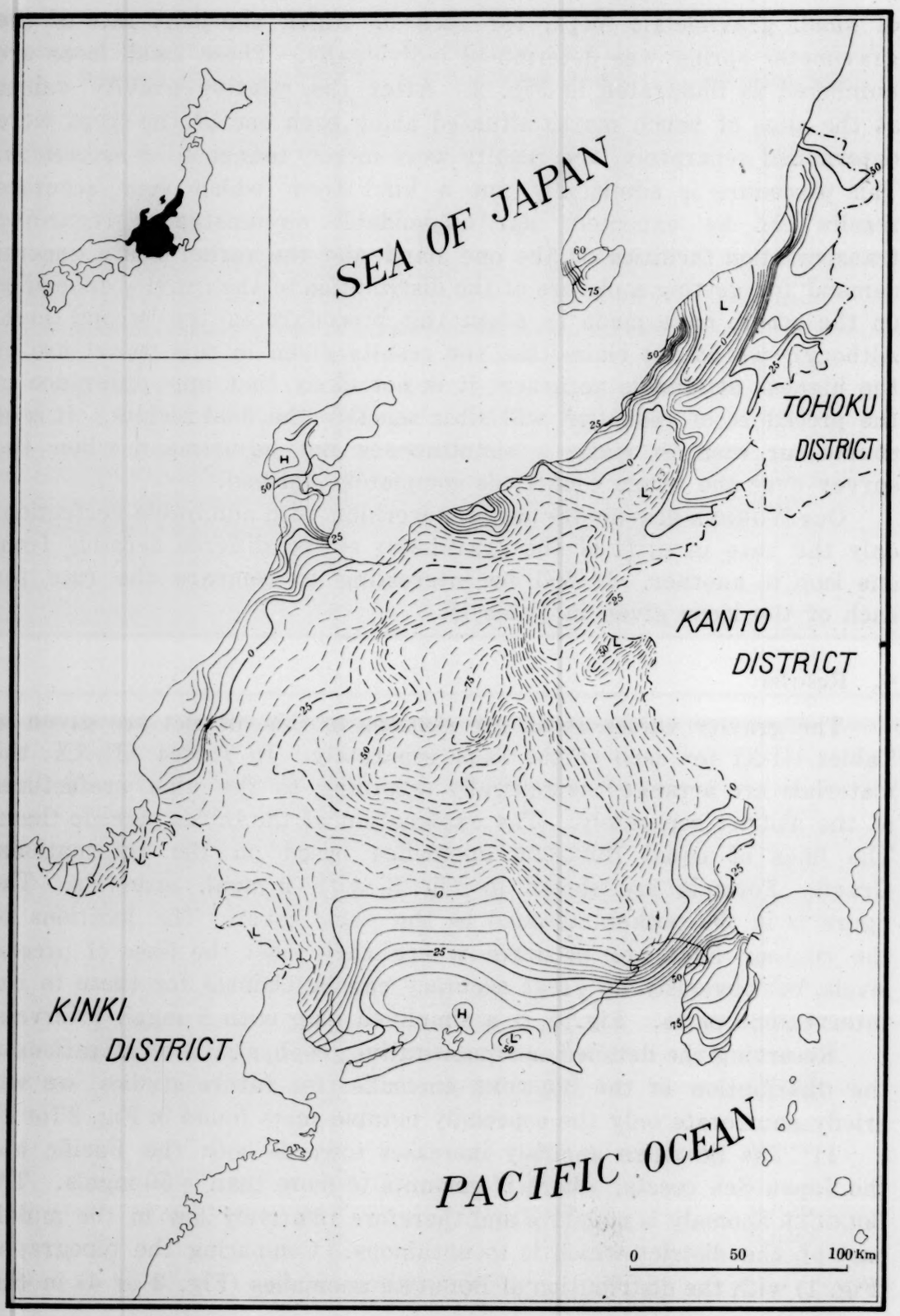


Fig. 4. Simplified Map of BOUGUER Anomaly Distribution in the Chûbu District. (mgal.)
——— Positive Anomaly
- - - - - - - Negative Anomaly

district, we find that the higher the stations are, the more negative the BOUGUER anomaly generally becomes. This is a tendency which is expected from isostasy. Fig. 5 is the correlation diagram between the BOUGUER anomalies, $\Delta g_0''$, and the altitudes h of the points at which the anomalies were determined. The points number 748 in all. Roughly speaking, $\Delta g_0''$ and h are negatively correlated, indicating the tendency of isostasy existing in this district, though in a very imperfect way. A very approximate calculation gives 35 km as the thickness of the AIRY isostatic earth's crust. Fig. 6 is a similar diagram between $\Delta g_0''$ and h, but in this are plotted the average values of $\Delta g_0''$ and h taken at 24×24

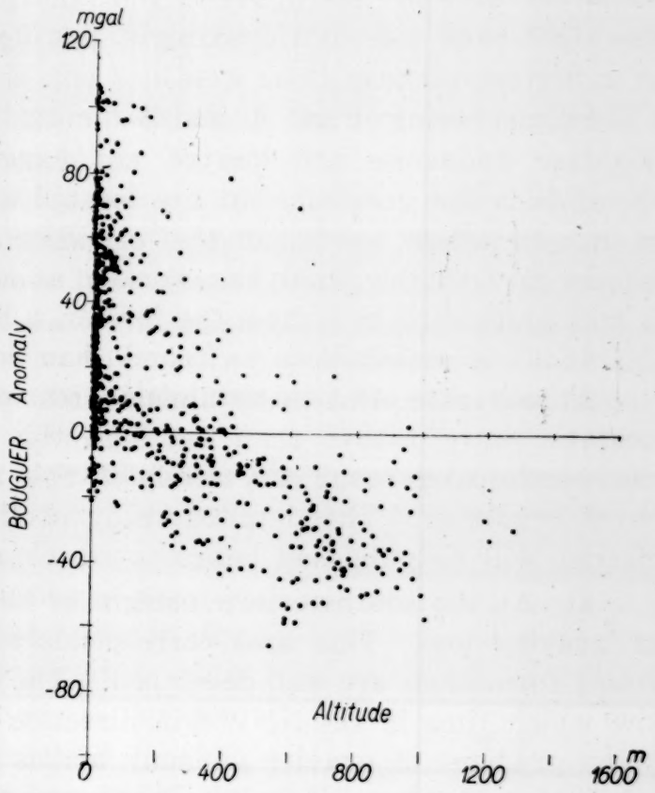


Fig. 5. Correlation Diagram between the BOUGUER Anomalies and the Altitudes of the Gravimeter Stations.

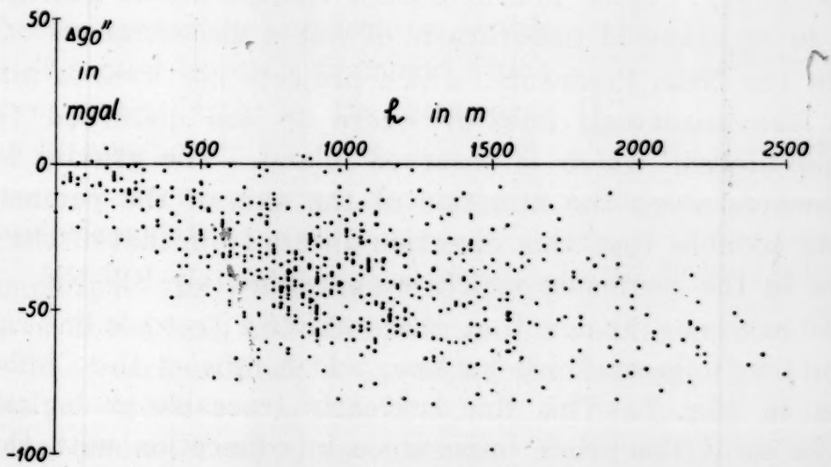


Fig. 6. Correlation Diagram between the Average BOUGUER Anomalies and the Altitudes at 24×24 Grid Points in the Chûbu District.

grid points of the rectangular mesh drawn in this district. The fact to be noticed in this figure is that the points are distributed only on the right-hand side of the straight line $\Delta g_0'' = -0.1h$ which corresponds to a perfect isostasy.

In comparing Figs. 1 and 3 (or 4), it seems that the greatest negative anomalies are located not exactly at the place where the elevation is the greatest, but are located a little to the south-eastward of it. In other words, if the elevation of the ground at a place is compared with the BOUGUER anomaly at a place which is eastward by α and southward by β from the former, a better anticorrelation between $\Delta g_0''$ and h is expected to be found than when both α and β are zero.

At any rate, this mountainous area may be said to be in some isostatic state rather than not. In this connection, it is noteworthy that earthquakes occur very rarely in this area as compared with other parts in Japan. The detailed study of the isostatic conditions in this district will be published later.

2) At the southwestern margin of this district, there is an area of gravity low. This area corresponds to the Nobi plain where thick young formations are well developed. The east boundary of this gravity low which runs in the NNW-SSE direction is characterised by the pretty steep gradient of gravity anomaly across it. This boundary coincides with that between granites and gneiss on the east side and the Pleistocene and Recent formations on the west. In view of the steep gradients of gravity anomaly across this line, it is not likely that the young formations lying in the Nobi Plain thin out eastwards gradually to that boundary. Some line of abrupt change in the geological structure has to be assumed underneath, if not a discontinuous one.

3) In the Noto Peninsula, which projects northwards into the Sea of Japan, the isoanomaly lines are more or less disturbed from their mutual parallelism which is observed inland. The gravity low bulges out northwards along the direction of the axis of the peninsula. It is interesting to note that this direction differs from that of the geological structures in the peninsula which is approximately SW-NE.

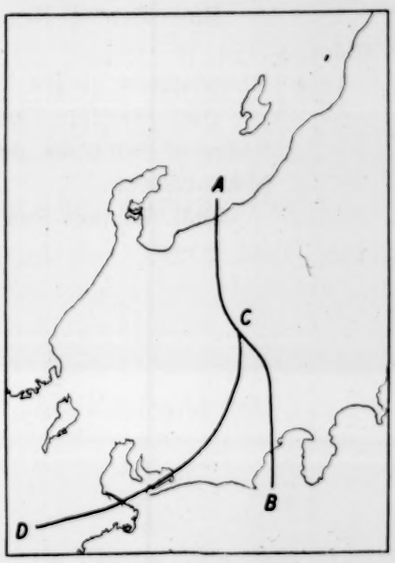
4) It has been known that there exists a tectonic line called Fossa Magna, or the Itoigawa-Shizuoka line, which crosses the Chûbu District as shown in Fig. 7. This line is clearly traceable geologically and is believed to be of the prime importance in connection with the tectonic structure of Japan.

Also from the gravity distribution, this line is traceable but not so

clearly. In the part corresponding to the northern and middle sections of that line, the gradient of gravity anomaly is more or less steep across it, suggesting a fault-like underground structure at not a great depth. In contrast to this, in the southern section, the relative low of gravity anomaly bulges out southwards along the line and suggests a geosynclinal underground structure. In view of the fact that the southward bulge of the gravity low is rather wide transversally, the supposed geosynclinal structure cannot be narrow and shallow-seated at the same time. It may either be wide and shallow-seated or narrow and deep-seated.

It is an interesting problem how such a well-defined and clearly traceable geological discontinuity as the Itoigawa-Shizuoka line should be formed associated with a geosyncline.

Associated with another important tectonic line, which is called the Median Dislocation Line and which is clearly traceable geologically as shown in Fig. 7, no remarkable disturbance can be observed in the distribution of gravity anomalies. How such a large tectonic line can exist without being associated with remarkable gravity anomalies is another interesting question which deserves further investigations. At any rate, it might be said that what we are studying here from the distribution of the gravity anomalies is not the direct effect of the discontinuities in observable geological structures but the effect of the anomalous structures which exist deeper-seated beneath them and which might have given birth to the geological structures in question.



AB—Itoigawa-Shizuoka Line
CD—Median Dislocation Line
Fig. 7. Itoigawa-Shizuoka Line and Median Dislocation Line.

5. Acknowledgements

In conclusion, the writers wish to thank a number of individuals and officials from whom they received assistance and supports of various kinds in executing the extensive gravity survey, the results of which are given here. It is practically impossible to mention the names of all these persons. Particularly we should like to thank Mrs. S. INOUE and Miss K. SEKI for their assistance in numerical computations and in drafting the figures. A part of the

expense necessary for executing this survey was defrayed from the Grant in Aid for Scientific Research from the Ministry of Education.

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Explanation of Tables

Tables III–XI Results along Each of the Routes

Pref. ..... Prefecture
No. ..... Number of Measurement
B.M. ..... Bench Mark Number
Time ..... Time of Measurement
$\sum \delta T$ ..... Net Time needed to arrive at the Station from the Starting Point
LD ..... Large Dial Reading
SD ..... Small Dial Reading
$0.9150 \times SD$ .... Conversion of Small Dial Reading to 0.01 mgal.
h ..... Height of the Gravimeter above the Bench Mark Head
$0.3086 \times h$ ..... Free-air Reduction to the Bench Mark Head
$E.T.$ ..... Correction for the Earth Tides (Factor 1.20)
Drift ..... Correction for Drift
$\sum \delta g$ ..... Gravity Difference from the Starting Point
g ..... Gravity Value (Corrected for Drift and Earth Tides)

Tables XII–XX Synoptic Results for Each of the Prefectures

φ ..... Latitude
λ ..... Longitude
H ..... Height of the Bench Mark above the Sea Level
g ..... Gravity Value (Corrected for Drift and Earth Tides)
g_0 ..... Gravity Value after the Free-air Reduction
g_0'' ..... Gravity Value after the BOUGUER Reduction
γ_0 ..... Normal Gravity
Δg_0 ..... Free-air Anomaly
$\Delta g_0''$ ..... BOUGUER Anomaly

Table III. Results along Route 4. (0.01 mgal.).

Route 4_1 B.M. 234—B.M. 241—B.M. 213—Ôtsu—B.M. 196—Ôgaki—B.M. J. 185—B.M. 176—Nagoya —Tsu—Ueno—B.M. 1398—B.M. 246—B.M. 234.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$8.31 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
26	304	234	VI 16	9 08	0 00	453	3568	3265	114	35	14	0	0	71760	9
〃	305	232	〃	9 34	26	〃	4402	4028	88	27	16	3	754	72514	〃
〃	306	229	〃	10 03	55	〃	4461	4082	85	26	16	7	803	72563	〃
〃	307	228	〃	10 26	1 18	〃	4820	4410	68	21	16	11	1122	72882	〃
〃	308	472	〃	10 43	1 35	〃	4840	4429	64	20	14	13	1136	72896	〃
〃	309	227	〃	11 00	1 52	〃	4704	4304	59	18	14	16	1006	72766	〃
〃	310	226	〃	11 15	2 07	〃	4556	4169	72	22	14	17	874	72634	〃
〃	311	225	〃	11 33	2 25	〃	4597	4206	69	21	10	20	903	72663	〃
〃	312	224	〃	12 10	3 02	〃	4528	4143	226	70	10	25	884	72644	〃
〃	313	223	〃	12 29	3 21	〃	5395	4936	75	23	10	28	1627	73387	〃
〃	314	222	〃	12 45	3 37	〃	5770	5280	56	17	5	30	1958	73718	〃
25	315	221	〃	13 15	4 07	〃	5205	4763	58	18	5	34	1438	73198	〃
〃	316	$219_{.1}$	〃	13 39	4 31	〃	4912	4494	190	59	− 1	37	1201	72961	〃
〃	317	$218_{.1}$	〃	14 17	5 09	〃	4588	4198	66	20	− 1	43	860	72620	〃
〃	318	$217_{.1}$	〃	14 43	5 35	〃	4445	4067	63	19	− 5	47	720	72480	〃
〃	319	$216_{.1}$	〃	15 01	5 53	〃	4558	4171	69	21	− 5	49	824	72584	〃
〃	320	Kyôto W.S.*	〃	15 34	6 26	〃	4892	4476	− 1	0	− 8	53	1101	72861	〃
〃	321	241	〃	16 05	6 57	〃	4555	4168	53	16	− 8	58	804	72564	〃
〃	322	Kyôto Univ.**	〃	16 20	7 12	〃	4042	3698	27	8	− 8	60	324	72084	〃
〃	323	〃 ***	〃	16 35	7 27	〃	4300	3935	66	20	− 8	62	571	72331	〃
〃	324	$214_{.1}$	〃	17 10	8 02	〃	3715	3399	97	30	− 8	66	41	71801	〃
〃	325	F. 20	〃	17 45	8 37	〃	1376	1259	48	15	− 7	71	−2118	69642	〃
24	326	213	〃	18 07	8 59	〃	2117	1937	104	32	− 7	75	−1427	70333	〃
〃	Ôtsu	〃	〃	19 24	10 16	〃	1956	1790	27	8	− 5	86	−1607	70153	〃
〃	〃		VI 17	8 03		〃	1995	1825	〃	〃	14				〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.
** Second Laboratory of Theoretical Geology, Kyôto University International Fundamental Station.
*** Cellar, Formerly Department of Astronomy, Kyôto University.

〃	326	213	〃	8 25	10 38	〃	2153	1970	98	30	14	88	−1442	70318	〃
〃	327	212	〃	8 59	11 12	〃	2117	1937	69	21	17	93	−1486	70274	〃
〃	328	$211_{.1}$	〃	9 15	11 28	〃	2201	2014	58	18	17	96	−1415	70345	〃
〃	329	$210_{.1}$	〃	9 36	11 49	〃	1776	1625	78	24	18	98	−1799	69961	〃
〃	〃	〃	〃	9 40		449	3601	3295	〃	〃	18				〃
〃	330	$209_{.1}$	〃	10 11	12 20	〃	3591	3286	55	17	18	102	−1819	69941	〃
〃	331	$208_{.1}$	〃	10 32	12 41	〃	3800	3477	70	22	16	106	−1629	70131	〃
〃	332	$207_{.1}$	〃	10 55	13 04	〃	3769	3449	63	19	16	109	−1663	70097	〃
〃	333	$206_{.1}$	〃	11 11	13 20	〃	4049	3705	67	21	16	111	−1407	70353	〃
〃	334	$205_{.1}$	〃	11 30	13 39	〃	3890	3559	63	19	16	114	−1558	70202	〃
〃	335	$204_{.1}$	〃	11 52	14 01	〃	4090	3742	58	18	16	116	−1378	70382	〃
〃	336	$203_{.1}$	〃	12 09	14 18	〃	3895	3564	80	25	16	119	−1552	70208	〃
〃	337	$202_{.1}$	〃	12 30	14 39	〃	3192	2921	62	19	16	122	−2204	69556	〃
〃	338	$201_{.1}$	〃	12 51	15 00	〃	3641	3332	59	18	11	125	−1802	69958	〃
〃	339	$200_{.1}$	〃	13 09	15 18	〃	4388	4015	74	23	11	127	−1116	70644	〃
〃	340	$199_{.1}$	〃	13 24	15 33	〃	5109	4675	57	18	11	130	− 464	71296	〃
〃	341	Hikone W.S.*	〃	13 58	16 07	〃	4996	4571	72	22	5	134	− 574	71186	〃
〃	342	〃 **	〃	14 06	16 15	〃	5015	4589	19	6	5	135	− 573	71187	〃
〃	343	$198_{.1}$	〃	16 00	18 09	〃	5712	5226	64	20	− 7	151	50	71810	〃
〃	344	197	〃	16 37	18 46	〃	6086	5569	66	20	−10	156	385	72145	〃
〃	345	196	〃	16 57	19 06	〃	6101	5582	44	14	−10	159	389	72149	〃
〃	346	195	〃	17 20	19 29	〃	5167	4728	70	22	−10	162	− 460	71300	〃
20	347	194	〃	17 57	20 06	〃	5510	5042	72	22	−10	167	− 151	71609	〃
〃	348	193	〃	18 16	20 25	〃	6164	5640	55	17	−10	170	439	72199	10
〃	349	192	〃	18 36	20 45	〃	7583	6938	70	22	− 9	173	1740	73500	〃
〃	〃	〃	〃	18 39		458	3526	3226	〃	〃	− 9				〃
〃	350	191	〃	18 58	21 04	〃	4886	4471	73	23	− 9	175	2984	74744	〃
〃	Ôgaki		〃	19 34	21 40	〃	4355	3985	27	8	− 6	180	2481	74241	〃
〃	〃		VI 18	7 56		〃	4380	4008	〃	〃	11				〃
〃	350	191	〃	9 00	22 44	〃	4900	4484	79	24	17	189	2970	74730	〃
〃	351	190	〃	9 17	23 01	〃	4934	4570	63	19	17	191	3049	74809	〃
〃	352	189	〃	9 35	23 19	〃	4567	4179	63	19	20	194	2658	74418	〃
〃	353	188	〃	9 55	23 39	〃	5294	4844	34	10	20	197	3311	75071	〃
〃	354	187	〃	10 10	23 54	〃	5542	5071	69	21	20	199	3547	75307	〃
〃	355	186	〃	10 25	24 09	〃	6112	5592	68	21	20	201	4066	75826	〃

* Weather Station Bench Mark.

** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Table III. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	E.T.	8.31 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
20	356	185	VI 18	11 35	25 19	458	6339	5800	56	17	20	210	4261	76021	10
〃	357	184	〃	10 50	25 34	〃	5666	5184	61	19	20	213	3644	75404	〃
22	358	182.1	〃	12 16	26 00	〃	5720	5234	100	31	20	216	3703	75463	〃
〃	359	181.1	〃	12 34	26 18	〃	5372	4915	81	25	16	219	3371	75131	〃
〃	360	180.1	〃	12 57	26 41	〃	5012	4586	74	23	16	222	3037	74797	〃
〃	361	179.1	〃	13 10	26 54	〃	5293	4843	59	18	16	224	3287	75047	〃
〃	362	178.1	〃	13 27	27 11	〃	5069	4638	91	28	16	226	3090	74850	〃
〃	363	177.1	〃	13 45	27 29	〃	4667	4270	82	26	10	229	2711	74471	〃
〃	301	177	〃	14 35	28 19	〃	4811	4402	69	21	3	235	2825	74585	〃
〃	364	176.1	〃	14 50	28 34	〃	5208	4765	71	22	3	238	3186	74946	〃
〃	302	176	〃	15 00	28 44	〃	5138	4701	69	21	3	239	3120	74880	〃
〃	365	175.1	〃	15 45	29 29	〃	5105	4671	76	23	− 3	245	3080	74840	〃
〃	303	175	〃	16 00	29 44	〃	4739	4336	66	20	− 3	247	2740	74500	〃
〃	366	174.1	〃	16 20	30 04	〃	4020	3678	58	18	− 3	250	2077	73837	〃
〃	367	1479	〃	16 35	30 19	〃	3262	2985	69	21	− 8	252	1380	73140	〃
〃	368	Nagoya M.O.*	〃	17 37	31 21	〃	4865	4451	27	8	−11	261	2821	74581	〃
〃	Nagoya		〃	19 04	32 48	〃	4860	4447	27	8	−11	273	2805	74565	〃
〃	〃		VI 19	7 35		〃	4894	4478	〃	〃	7				〃
〃	303	175	〃	8 29	33 42	〃	4815	4406	65	20	7	280	2738	74498	〃
〃	369	1476	〃	9 16	34 29	〃	2888	2643	86	27	14	287	982	72742	〃
〃	370	1475	〃	9 33	34 46	〃	2623	2400	64	20	19	289	735	72495	〃
〃	371	1473	〃	9 59	35 12	〃	2082	1905	51	16	19	293	232	71992	〃
〃	372	1471	〃	10 16	35 29	〃	1824	1669	25	8	19	295	− 14	71746	〃
〃	〃	〃	〃	10 20		453	4045	3701	〃	〃	19				〃
23	373	1469	〃	12 30	37 39	〃	3955	3619	65	20	22	313	− 99	71661	〃
〃	374	1467	〃	12 44	37 53	〃	3784	3462	72	22	21	315	− 257	71503	〃
〃	375	1465	〃	13 05	38 14	〃	3587	3282	68	21	21	317	− 440	71320	〃
〃	376	1463	〃	13 26	38 35	〃	3347	3063	61	19	21	321	− 665	71095	〃
〃	377	1461	〃	13 47	38 56	〃	3040	2782	95	29	16	323	− 943	70817	〃
〃	378	1459	〃	14 15	39 24	〃	2865	2621	62	19	16	327	−1118	70642	〃

* Meteorological Observatory Barometer Room, on the Floor.

〃	379	1457	〃	14 32	39 41	〃	2611	2389	67	21	9	330	−1358	70402	〃
〃	380	1455	〃	14 59	40 08	〃	2750	2516	57	18	9	333	−1237	70523	〃
〃	381	1453	〃	15 31	40 40	〃	3288	3009	53	16	2	338	− 758	71002	〃
〃	382	1451	〃	15 53	41 02	〃	4303	3937	104	32	2	341	183	71943	〃
〃	383	1449	〃	16 28	41 37	〃	4827	4417	86	27	2	346	653	72413	〃
〃	384	1447	〃	16 46	41 55	〃	5273	4825	81	25	− 5	348	1050	72810	〃
〃	385	1445	〃	17 03	42 12	〃	5367	4911	80	25	− 5	351	1133	72893	〃
〃	386	1482	〃	17 35	42 44	〃	5334	4881	86	27	− 9	355	1097	72857	〃
〃	Tsu		〃	19 00	44 09	〃	5383	4925	27	8	−11	367	1108	72868	〃
〃	〃		VI 20	7 30		〃	5429	4968	〃	〃	− 5				〃
〃	386	1482	〃	8 20	44 59	〃	5373	4916	97	30	2	374	1078	72838	〃
〃	387	Tsu W.S.*	〃	8 42	45 21	〃	5246	4800	105	32	4	377	963	72723	〃
〃	388	1443	〃	9 30	46 09	〃	5435	4973	64	20	4	384	1117	72877	〃
〃	389	1441	〃	9 55	46 34	〃	4304	3938	54	17	11	387	83	71843	〃
〃	390	1439	〃	10 13	46 52	〃	3893	3562	67	21	11	390	− 292	71468	〃
〃	391	1437	〃	10 33	47 12	〃	3887	3557	64	20	17	392	− 294	71466	〃
〃	392	1435	〃	10 50	47 29	〃	4235	3875	62	19	17	395	20	71780	〃
〃	393	1433	〃	11 10	47 49	〃	3145	2878	69	21	17	397	− 977	70783	〃
〃	394	1431	〃	11 35	48 14	〃	1822	1667	46	14	21	401	−2195	69565	〃
〃	〃	〃	〃	11 40		449	3619	3311	〃	〃	21				〃
〃	395	1429	〃	12 05	48 39	〃	1667	1525	57	18	21	405	−3981	67779	11
〃	396	1427	〃	12 25	48 59	〃	2958	2707	76	23	21	407	−2796	68964	〃
〃	397	1425	〃	14 20	50 54	〃	4187	3831	67	21	19	423	−1692	70068	〃
〃	398	1423	〃	14 40	51 14	〃	5777	5286	55	17	14	426	− 249	71511	〃
〃	399	1421	〃	15 00	51 34	〃	6391	5848	56	17	14	429	310	72070	〃
〃	〃	〃	〃	15 02		451	5495	5028	〃	〃	14				〃
〃	400	1420	〃	15 20	51 52	〃	5587	5112	69	21	14	431	396	72156	〃
〃	Ueno		〃	18 30	55 02	〃	5639	5160	27	8	− 6	457	385	72145	〃
〃	〃		VI 21	7 00		〃	5698	5214	〃	〃	−10				〃
〃	400	1420	〃	8 01	56 03	〃	5707	5222	68	21	− 6	466	401	72161	〃
〃	401	1418	〃	8 21	56 23	〃	5196	4754	68	21	− 6	469	− 70	71690	〃
〃	402	1416	〃	8 41	56 43	〃	6220	5691	53	16	− 1	471	865	72625	〃
25	403	1414	〃	9 13	57 15	〃	6420	5874	63	19	− 1	476	1046	72806	〃
〃	〃	〃	〃	9 15		456	4171	3816	〃	〃	− 1				〃
〃	404	1412	〃	9 33	57 33	〃	4884	4469	47	15	5	479	1698	73458	〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Table III. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	8.31 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
25	405	1410	VI 21	9 50	57 50	456	4592	4202	65	20	5	480	1435	73195	11
〃	406	1408	〃	10 07	58 07	〃	4816	4407	27	8	5	483	1625	73385	〃
〃	407	1406	〃	10 27	58 27	〃	4888	4473	86	27	5	486	1707	73467	〃
〃	408	1404	〃	10 49	58 49	〃	4974	4551	53	16	12	489	1778	73538	〃
〃	409	1402	〃	11 12	59 12	〃	5003	4578	59	18	12	492	1804	73564	〃
〃	410	10727	〃	12 42	60 42	〃	4525	4140	76	23	20	504	1367	73127	〃
〃	411	1400	〃	13 02	61 02	〃	3790	3468	65	20	20	507	689	72449	〃
28	412	1398	〃	14 35	62 35	〃	3239	2964	63	19	16	520	167	71927	〃
〃	〃	〃	VI 23	8 14		〃	3489	3192	61	19	− 7				〃
〃	421	1396	〃	8 31	62 52	〃	4221	3862	62	19	− 5	523	836	72596	〃
〃	422	1394	〃	8 50	63 11	〃	4516	4132	70	22	− 5	525	1107	72867	〃
〃	423	1392	〃	9 13	63 34	〃	5257	4810	49	15	− 5	529	1774	73534	〃
〃	424	1390	〃	9 30	63 51	〃	5748	5259	72	22	− 5	531	2228	73988	〃
〃	425	1388	〃	9 50	64 11	〃	5967	5460	75	23	− 3	534	2429	74189	〃
〃	426	1387	〃	10 06	64 27	〃	5845	5348	36	11	− 3	536	2303	74063	〃
26	427	1384	〃	10 43	65 04	〃	5687	5204	77	24	1	541	2171	73931	〃
〃	428	1382	〃	11 02	65 23	〃	3272	2994	60	19	1	544	− 47	71713	〃
〃	429	1383	〃	11 15	65 36	〃	3778	3457	60	19	1	545	415	72175	〃
〃	430	1380	〃	11 38	65 59	〃	3370	3084	80	25	5	549	48	71808	〃
〃	431	1378	〃	11 54	66 15	〃	3916	3583	79	24	5	551	544	72304	〃
〃	432	246	〃	12 12	66 33	〃	3717	3401	106	33	5	554	368	72128	〃
〃	433	244	〃	12 42	67 03	〃	3416	3126	122	38	9	558	98	71858	〃
〃	304	234	〃	13 09	67 30	〃	3315	3033	117	36	9	561	0	71760	〃

Route 4_3 B.M. 176—B.M. 166—B.M. 176.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	4.86 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
22	302	176	I 16	9 31	0 00	1269	1161	64	20	− 6	0	0	74880	30
〃	366	J. 174.1	〃	9 56	25	0110	0101	62	19	− 6	2	−1063	73817	〃
〃	〃	〃	〃	10 00		5548	5076	〃	〃	− 6				〃
〃	1232	173.1	〃	10 14	39	5456	4992	66	20	− 6	3	−1147	73733	〃
〃	1233	172.1	〃	10 29	54	6370	5829	70	22	− 6	4	− 309	74571	〃
〃	1234	171.1	〃	10 43	1 08	5935	5431	61	19	− 4	5	− 709	74171	〃
〃	1235	170.1	〃	10 55	1 20	6343	5804	55	17	− 4	6	− 339	74541	〃
〃	1236	169.1	〃	11 06	1 31	6510	5957	50	15	− 4	7	− 189	74691	〃
〃	1237	168.1	〃	11 21	1 46	7370	6744	57	18	− 4	9	599	75479	〃
〃	〃	〃	〃	11 24		3711	3396	〃	〃	− 4				〃
〃	1238	167.1	〃	11 40	2 02	4418	4042	58	18	− 1	10	1247	76127	〃
〃	1239	166	〃	11 55	2 17	5205	4763	39	12	− 1	11	1961	76841	〃
〃	〃	〃	〃	17 47		5234	4789	40	12	− 4				〃
〃	302	176	〃	19 01	3 31	3089	2826	69	21	− 5	17	0	74880	〃

Route 4_4 B.M. 166—Prefecture Boundary (No. 1249)—B.M. 166.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	3.90 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
22	1239	166	I 16	11 55	0 00	5205	4763	39	12	− 1	0	0	76841	30
〃	1240	165	〃	12 05	10	5013	4587	49	15	− 1	1	− 174	76667	〃
〃	1241	164	〃	12 30	35	4323	3956	55	17	− 1	2	− 804	76037	〃
〃	1242	163	〃	12 45	50	3702	3387	61	19	1	3	−1370	75471	〃
〃	1243	162	〃	12 57	1 02	3898	3567	63	19	1	4	−1191	75650	〃

Table III. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	8.31 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m										
25	405	1410	VI 21	9 50	57 50	456	4592	4202	65	20	5	480	1435	73195	11
〃	406	1408	〃	10 07	58 07	〃	4816	4407	27	8	5	483	1625	73385	〃
〃	407	1406	〃	10 27	58 27	〃	4888	4473	86	27	5	486	1707	73467	〃
〃	408	1404	〃	10 49	58 49	〃	4974	4551	53	16	12	489	1778	73538	〃
〃	409	1402	〃	11 12	59 12	〃	5003	4578	59	18	12	492	1804	73564	〃
〃	410	10727	〃	12 42	60 42	〃	4525	4140	76	23	20	504	1367	73127	〃
〃	411	1400	〃	13 02	61 02	〃	3790	3468	65	20	20	507	689	72449	〃
28	412	1398	〃	14 35	62 35	〃	3239	2964	63	19	16	520	167	71927	〃
〃	〃	〃	VI 23	8 14		〃	3489	3192	61	19	− 7				〃
〃	421	1396	〃	8 31	62 52	〃	4221	3862	62	19	− 5	523	836	72596	〃
〃	422	1394	〃	8 50	63 11	〃	4516	4132	70	22	− 5	525	1107	72867	〃
〃	423	1392	〃	9 13	63 34	〃	5257	4810	49	15	− 5	529	1774	73534	〃
〃	424	1390	〃	9 30	63 51	〃	5748	5259	72	22	− 5	531	2228	73988	〃
〃	425	1388	〃	9 50	64 11	〃	5967	5460	75	23	− 3	534	2429	74189	〃
〃	426	1387	〃	10 06	64 27	〃	5845	5348	36	11	− 3	536	2303	74063	〃
26	427	1384	〃	10 43	65 04	〃	5687	5204	77	24	1	541	2171	73931	〃
〃	428	1382	〃	11 02	65 23	〃	3272	2994	60	19	1	544	− 47	71713	〃
〃	429	1383	〃	11 15	65 36	〃	3778	3457	60	19	1	545	415	72175	〃
〃	430	1380	〃	11 38	65 59	〃	3370	3084	80	25	5	549	48	71808	〃
〃	431	1378	〃	11 54	66 15	〃	3916	3583	79	24	5	551	544	72304	〃
〃	432	246	〃	12 12	66 33	〃	3717	3401	106	33	5	554	368	72128	〃
〃	433	244	〃	12 42	67 03	〃	3416	3126	122	38	9	558	98	71858	〃
〃	304	234	〃	13 09	67 30	〃	3315	3033	117	36	9	561	0	71760	〃

Route 4_3 B.M. 176—B.M. 166—B.M. 176.

Pref.	No.	B.M.	Date 1952	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	4.86 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
22	302	176	I 16	9 31	0 00	1269	1161	64	20	− 6	0	0	74880	30
〃	366	J. 174.1	〃	9 56	25	0110	0101	62	19	− 6	2	−1063	73817	〃
〃	〃	〃	〃	10 00		5548	5076	〃	〃	− 6				〃
〃	1232	173.1	〃	10 14	39	5456	4992	66	20	− 6	3	−1147	73733	〃
〃	1233	172.1	〃	10 29	54	6370	5829	70	22	− 6	4	− 309	74571	〃
〃	1234	171.1	〃	10 43	1 08	5935	5431	61	19	− 4	5	− 709	74171	〃
〃	1235	170.1	〃	10 55	1 20	6343	5804	55	17	− 4	6	− 339	74541	〃
〃	1236	169.1	〃	11 06	1 31	6510	5957	50	15	− 4	7	− 189	74691	〃
〃	1237	168.1	〃	11 21	1 46	7370	6744	57	18	− 4	9	599	75479	〃
〃	〃	〃	〃	11 24		3711	3396	〃	〃	− 4				〃
〃	1238	167.1	〃	11 40	2 02	4418	4042	58	18	− 1	10	1247	76127	〃
〃	1239	166	〃	11 55	2 17	5205	4763	39	12	− 1	11	1961	76841	〃
〃	〃	〃	〃	17 47		5234	4789	40	12	− 4				〃
〃	302	176	〃	19 01	3 31	3089	2826	69	21	− 5	17	0	74880	〃

Route 4_4 B.M. 166—Prefecture Boundary (No. 1249)—B.M. 166.

Pref.	No.	B.M.	Date 1952	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	3.90 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
22	1239	166	I 16	11 55	0 00	5205	4763	39	12	− 1	0	0	76841	30
〃	1240	165	〃	12 05	10	5013	4587	49	15	− 1	1	− 174	76667	〃
〃	1241	164	〃	12 30	35	4323	3956	55	17	− 1	2	− 804	76037	〃
〃	1242	163	〃	12 45	50	3702	3387	61	19	1	3	−1370	75471	〃
〃	1243	162	〃	12 57	1 02	3898	3567	63	19	1	4	−1191	75650	〃

Table III. (Continued)

Pref.	No.	B.M.	Date 1952	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$3.90 \times \Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
22	1244	161	I 16	13 11	1 16	4332	3964	63	19	1	5	− 795	76046	30
〃	1245	160	〃	13 22	1 27	4157	3804	60	19	1	6	− 956	75885	〃
〃	1246	159	〃	13 34	1 39	3850	3523	68	21	2	7	−1235	75606	〃
〃	1247	158	〃	15 31	3 36	4488	4107	66	20	1	14	− 660	76181	〃
〃	1248	157	〃	15 45	3 50	3605	3299	66	20	1	15	−1469	75372	〃
21	1249	P.B.*	〃	16 13	4 18	0813	0744	27	8	1	17	−4038	72803	〃
22	1239	166	〃	17 47	5 52	5234	4789	40	12	− 4	23	0	76841	〃

* Prefecture Boundary.

Table IV. Results along Route 19. (0.01 mgal.).

Route 19_1 B.M. 1343—Prefecture Boundary (No. 880)—B.M. 1343.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$8.13 \times \Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
17	873	1343	XI 15	12 55	0 00	5791	5299	72	22	− 2	0	0	78891	22
〃	874	1346	〃	13 16	21	5429	4968	61	19	− 2	3	− 337	78554	〃
〃	875	1348	〃	13 42	47	5860	5362	31	10	− 3	7	43	78934	〃
〃	876	1351	〃	13 55	1 00	6402	5858	59	18	− 3	8	546	79437	〃
〃	877	1353	〃	14 10	1 15	7382	6755	50	15	− 3	11	1437	80328	〃
〃	〃	〃	〃	14 12		4977	4554	〃	〃	− 3				〃
〃	878	1356	〃	14 35	1 38	5605	5129	73	23	− 5	13	2016	80907	〃
〃	879	1357	〃	14 45	1 48	4926	4507	66	20	− 5	15	1389	80280	〃
25·17	880	P.B.*	〃	14 53	1 56	3549	3247	27	8	− 5	15	117	79008	〃
17	873	1343	〃	16 08	3 11	3420	3129	72	22	− 7	26	0	78891	〃

* Prefecture Boundary.

Route 19₂ Fukui—Tsuruga—B.M. 1343—Obama—Fukui.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	5.10 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
17	Fukui		XI 14	10 28	0 00	4074	3728	27	8	−4	0	0	85230	22
〃	843	Fukui W.S.*	〃	10 43	15	3982	3644	27	8	−2	1	− 83	85147	〃
〃	844	904	〃	11 04	36	4242	3881	49	15	−2	3	159	85389	〃
〃	845	907	〃	11 46	1 18	3803	3480	66	20	−1	7	− 240	84990	〃
〃	846	909	〃	12 07	1 39	3201	2929	60	19	−1	9	− 794	84436	〃
〃	847	912	〃	12 34	2 06	1683	1540	55	17	−2	11	−2188	83042	〃
〃	〃	〃	〃	12 37		4989	4565	〃	〃	−2				〃
〃	848	914	〃	14 08	3 37	4109	3760	68	21	−4	18	−2998	82232	〃
〃	849	916	〃	14 22	3 51	2397	2193	51	16	−4	20	−4572	80658	〃
〃	〃	〃	〃	14 27		7130	6524	〃	〃	−4				〃
〃	850	920	〃	14 56	4 20	3562	3259	46	14	−6	22	−7843	77387	〃
〃	851	923	〃	15 18	4 42	4963	4541	52	16	−6	24	−6561	78669	〃
〃	852	925	〃	15 32	4 56	4354	3984	46	14	−8	25	−7123	78107	〃
〃	853	927	〃	15 50	5 14	6168	5644	47	15	−8	27	−5464	79766	〃
〃	854	929	〃	16 03	5 27	6299	5764	46	14	−8	28	−5346	79884	〃
〃	855	931	〃	16 17	5 41	5196	4754	54	17	−8	29	−6354	78876	〃
〃	856	933	〃	16 32	5 56	3824	3499	42	13	−9	30	−7615	77615	〃
〃	857	935	〃	17 12	6 36	3329	3046	61	19	−9	34	−8066	77164	〃
〃	858	10516	〃	17 27	6 51	2116	1936	67	21	−9	35	−9175	76055	〃
〃	〃	〃	〃	17 30		4971	4548	〃	〃	−9				〃
〃	Tsuruga		〃	18 38	7 59	6255	5723	27	8	−4	41	−8014	77216	〃
〃	〃		XI 15	8 07		3956	3620	〃	〃	−8				〃
〃	859	936	〃	8 45	8 37	3242	2966	41	13	−7	44	−8665	76565	〃
〃	860	939	〃	9 00	8 52	2755	2521	52	16	−7	45	−9108	76122	〃
〃	861	941	〃	9 15	9 07	5060	4630	36	11	−7	46	−7005	78225	〃
〃	862	943	〃	9 30	9 22	4447	4069	50	15	−7	48	−7564	77666	〃
〃	863	945	〃	9 42	9 34	4340	3971	43	13	−5	49	−7663	77567	〃
〃	864	947	〃	9 55	9 47	3738	3420	55	17	−5	50	−8211	77019	〃
〃	865	949	〃	10 08	10 00	3068	2807	46	14	−5	51	−8828	76402	〃
〃	866	951	〃	10 23	10 15	1915	1752	51	16	−5	53	−9883	75347	〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Table IV. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$5.10 \times \Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
17	867	953	XI 15	10 42	10 34	3904	3572	40	12	−3	54	− 8066	77164	22
〃	868	1338	〃	10 56	10 48	3689	3375	60	19	−3	55	− 8257	76973	〃
〃	869	1336	〃	11 08	11 00	2285	2091	64	20	−3	56	− 9541	75689	〃
〃	870	1334	〃	11 20	11 12	0650	0595	47	15	−3	57	−11043	74187	〃
〃	871	1340	〃	11 46	11 38	4836	4425	59	18	−2	59	− 7211	78019	〃
〃	872	1342	〃	12 00	11 52	5547	5076	74	23	−2	61	− 6557	78673	〃
〃	873	1343	〃	12 55	12 47	5791	5299	72	22	−2	65	− 6339	78891	〃
〃	〃	〃	〃	16 08		3420	3129	〃	〃	−7				〃
〃	Obama	〃	〃	16 30	13 09	3395	3106	27	8	−7	67	− 6378	78852	〃
〃	〃	〃	XI 16	8 37		4938	4518	〃	〃	−7				〃
〃	881	10514	〃	10 56	15 28	0117	0107	74	23	−5	79	−10784	74446	〃
〃	〃	〃	〃	10 58		1989	1820	〃	〃	−5				〃
〃	882	F. 9	〃	11 02	15 32	1733	1586	43	13	−5	79	−11028	74202	〃
〃	883	Tsuruga W.S.*	〃	11 45	16 15	5066	4635	27	8	−3	83	− 7986	77244	〃
〃	884	〃 **	〃	11 48	16 18	5083	4651	48	15	−3	83	− 7963	77267	〃
〃	〃	〃	〃	11 50		0485	0444	〃	〃	−3				〃
〃	848	914	〃	14 42	19 10	5927	5423	69	21	−4	98	−2994	82236	〃
〃	〃	〃	〃	14 45		1102	1008	〃	〃	−4				〃
〃	Fukui		〃	15 32	19 57	4395	4021	27	8	−6	102	0	85230	〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

** Weather Station Bench Mark.

Route 19₃ Fukui—Aburasaka Pass (No. 687)—Ôno—Fukui.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$4.21\times\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
17	Fukui		XI 13	9 04	0 00	2297	2102	27	8	−4	0	0	85230	21
〃	824	5255	〃	9 40	36	2238	2048	61	19	−2	3	− 44	85186	〃
〃	825	5253	〃	10 00	56	1620	1482	61	19	−2	4	− 611	84619	〃
〃	〃	〃	〃	10 02		6989	6395	〃	〃	−2				〃
〃	826	5251	〃	10 17	1 11	5878	5378	58	18	−2	5	− 1630	83600	〃
〃	827	5249	〃	10 39	1 33	4332	3964	56	17	0	7	− 3045	82185	〃
〃	828	5247	〃	10 55	1 49	3522	3223	57	18	0	8	− 3786	81444	〃
〃	829	5245	〃	11 07	2 01	2874	2630	75	23	0	8	− 4374	80856	〃
〃	830	5243	〃	11 30	2 24	1793	1641	56	17	0	10	− 5371	79859	〃
〃	831	5241	〃	11 45	2 39	1067	0976	51	16	−1	11	− 6039	79191	〃
〃	〃	〃	〃	11 49		7472	6837	〃	〃	−1				〃
〃	832	5239	〃	12 03	2 53	6600	6039	54	17	−1	12	− 6837	78393	〃
〃	833	5237	〃	12 54	3 44	5834	5338	30	9	−2	16	− 7551	77679	〃
〃	834	5235	〃	13 05	3 55	3527	3227	68	21	−2	16	− 9650	75580	〃
〃	835	5233	〃	13 20	4 10	2463	2254	79	24	−2	18	−10622	74608	〃
〃	836	5230	〃	13 40	4 30	1241	1136	32	10	−5	19	−11758	73472	〃
〃	〃	〃	〃	13 43		7670	7018	〃	〃	−5				〃
〃	837	5227	〃	14 00	4 47	6481	5930	65	5	−5	20	−12852	72378	〃
〃	838	5225	〃	14 15	5 02	5692	5208	58	18	−5	21	−13562	71668	〃
〃	839	5222	〃	14 33	5 20	4117	3767	69	21	−7	22	−15003	70227	〃
〃	840	5220	〃	14 47	5 34	3389	3101	49	15	−7	24	−15677	69553	〃
〃	841	5217	〃	15 07	5 54	1750	1601	31	10	−7	25	−17183	68047	〃
〃	〃	〃	〃	15 11		5101	4667	〃	〃	−7				〃
〃	687	Aburasaka Pass P.B.*	〃	15 30	6 13	1694	1550	27	8	−7	26	−20303	64927	〃
〃	〃	〃	〃	15 33		0217	0199	〃	〃	−9				〃
〃	838	5225	〃	16 25	7 05	7591	6946	57	18	−9	30	−13550	71680	〃
〃	〃	〃	〃	16 27		0265	0242	〃	〃	−9				〃
〃	832	5239	〃	17 30	8 08	7608	6961	53	16	−9	34	− 6837	78393	〃
〃	〃	〃	〃	17 33		0428	0392	〃	〃	−6				〃
〃	Ono		〃	17 42	8 17	0126	0115	27	8	−6	35	− 7123	78107	〃

* Aburasaka Pass Prefecture Boundary.

Table IV. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	4.21 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
17	Ôno		XI 14	8 01		0224	0205	27	8	−8				21
〃	842	Fukui P.O.*	〃	10 14	10 30	7880	7210	27	8	−4	44	−123	85107	22
〃	〃	〃	〃	10 16		3939	3604	〃	〃	−4				〃
〃	Fukui		〃	10 28	10 42	4074	3728	27	8	−4	45	0	85230	〃

* Fukui Prefecture Office.

Route 19_4 Fukui—B.M. 890—Fukui.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.25 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
17	Fukui		XI 12	15 00	0 00	2183	1997	27	8	−7	0	0	85230	21
〃	819	902	〃	15 15	15	2255	2063	64	20	−7	2	76	85306	〃
〃	820	899	〃	15 37	37	2677	2449	64	20	−9	4	458	85688	〃
〃	821	895	〃	16 10	1 10	3741	3423	76	23	−9	8	1431	86661	〃
〃	822	F. 15	〃	16 30	1 30	4187	3831	73	23	−9	9	1838	87068	〃
〃	764	890	〃	16 50	1 50	3590	3285	53	16	−9	11	1283	86513	〃
〃	823	898	〃	17 35	2 35	2853	2610	67	21	−7	16	610	85840	〃
〃	Fukui				3 10	2204	2017	27	8	−7	20	0	85230	〃

Table V. Results along Route 20. (0.01 mgal.).

Route 20_1 Kanazawa—B.M. 890—Kanazawa.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.49× $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
16	Kanazawa		XI 8	10 50	0 00	5719	5233	27	8	2	0	0	87347	19
〃	750	861	〃	11 14	24	5804	5311	80	25	2	3	92	87439	〃
〃	751	Kanazawa P.O.*	〃	11 25	35	5675	5193	27	8	2	4	− 44	87303	〃
〃	752	863	〃	11 50	1 00	5870	5371	78	24	− 2	6	144	87491	20
〃	753	866	〃	12 15	1 25	6031	5518	50	15	− 2	9	279	87626	〃
〃	754	868	〃	12 30	1 40	5938	5433	32	10	− 2	11	187	87534	〃
〃	755	870	〃	12 58	2 08	6105	5586	46	14	− 5	14	338	87685	〃
〃	756	873	〃	13 15	2 25	6221	5692	73	23	− 5	16	451	87798	〃
〃	757	875	〃	13 27	2 37	6696	6127	52	16	− 5	17	878	88225	〃
〃	758	877	〃	14 47	2 57	6423	5877	3	1	− 8	19	608	87955	〃
〃	759	880	〃	15 05	3 15	5164	4725	53	16	− 8	21	−531	86816	〃
〃	760	882	〃	15 28	3 38	5036	4608	57	18	− 8	23	−648	86699	〃
〃	761	884	〃	15 56	4 06	4954	4533	40	12	− 7	27	−732	86615	〃
〃	762	886	〃	16 13	4 23	5767	5277	75	23	− 7	29	21	87368	〃
〃	763	888	〃	16 32	4 42	6023	5511	50	15	− 4	31	248	87595	〃
17	764	890	〃	16 50	5 00	4838	4427	57	18	− 4	32	−834	86513	〃
16	759	880	〃	17 37	5 47	5175	4735	54	17	− 1	38	−530	86817	〃
〃	756	873	〃	18 13	6 23	6252	5721	69	21	− 1	42	456	87803	〃
〃	752	863	〃	18 57	7 07	5909	5407	81	25	2	46	145	87492	〃
〃	Kanazawa		〃	19 15	7 25	5772	5281	27	8	2	48	0	87347	〃

* Ishikawa Prefecture Office.

Route 20_2 Kanazawa—B.M. 854—Kanazawa.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	2.50 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
16	Kanazawa		XI 9	9 04	0 00	4030	3687	27	8	4	0	0	87347	20
〃	765	Kanazawa W.S.*	〃	9 49	45	3960	3623	47	15	3	2	− 60	87287	〃
〃	766	〃**	〃	9 57	53	3966	3629	27	8	3	2	− 61	87286	〃
〃	767	859	〃	10 25	1 21	4549	4162	56	17	3	4	479	87826	〃
〃	768	857	〃	10 42	1 38	5510	5042	49	15	0	4	1354	88701	〃
〃	769	855	〃	11 00	1 56	6473	5923	74	23	0	5	2242	89589	〃
〃	770	854	〃	11 12	2 08	6969	6377	48	15	0	5	2688	90035	〃
〃	〃	〃	XI 11	15 52		4840	4429	46	14	−9				21
〃	767	859	〃	16 21	2 37	2410	2205	49	15	−9	7	463	87810	〃
〃	Kanazawa		〃	16 57	3 13	1912	1749	27	8	−8	8	0	87347	〃

* Weather Station Bench Mark.

** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Route 20_3 B.M. 854—Amata Pass (No. 668)—B.M. 854.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	14.55 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
16	770	854	XI 9	11 12	0 00	6969	6377	48	15	0	0	0	90035	20
〃	771	852	〃	11 26	14	6880	6295	64	20	0	3	− 80	89955	〃
〃	772	850	〃	11 41	29	6268	5735	59	18	− 3	7	− 649	89386	〃
15·16	668	Amata Pass P.B.*	〃	11 53	41	3570	3267	27	8	− 3	10	−3130	86905	〃
16	770	854	〃	12 20	1 08	6990	6396	47	15	− 3	16	0	90035	〃

* Amata Pass Prefecture Boundary.

Route 20_4 B.M. 854—B.M. 9233—B.M. 854.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	7.35 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
16	770	854	XI 9	12 22	0 00	6985	6391	47	15	− 3	0	0	90035	20
〃	773	9223	〃	13 46	1 24	7877	7207	42	13	− 7	10	800	90835	〃
〃	〃	〃	〃	13 54		1007	0921	〃	〃	− 7				〃
〃	774	9225	〃	14 11	1 41	2866	2622	54	17	− 7	12	2503	92538	〃
〃	775	9227	〃	14 24	1 54	4328	3960	39	12	− 7	14	3834	93869	〃
〃	776	9229	〃	14 41	2 11	4547	4161	53	16	− 7	16	4037	94072	〃
〃	777	9231	〃	14 54	2 24	2880	2635	56	17	− 7	18	2510	92545	〃
〃	778	9233	〃	15 07	2 37	2828	2588	58	18	− 7	19	2463	92498	〃
〃	〃	〃	XI 11	15 07		7520	6881	59	18	− 8				21
〃	770	854	〃	15 52	3 22	4840	4429	46	14	− 9	25	0	90035	〃

Route 20_5 B.M. 9233—Takahama—Anamizu—B.M. 9309—B.M. 9233.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	5.08 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
16	778	9233	XI 9	15 07	0 00	2828	2588	58	18	− 7	0	0	92498	20
〃	779	9235	〃	15 23	16	3403	3114	40	12	− 7	2	518	93016	〃
〃	780	9236	〃	15 36	29	4080	3733	72	22	− 6	3	1147	93645	〃
〃	781	9238	〃	16 06	59	5519	5050	58	18	− 6	5	2458	94956	〃
〃	782	9240	〃	16 23	1 16	4961	4539	62	19	− 6	7	1946	94444	〃
〃	783	9242	〃	16 36	1 29	4965	4543	45	14	− 3	8	1947	94445	〃
〃	784	9244	〃	16 52	1 45	6085	5568	66	20	− 3	9	2977	95475	〃
〃	785	9246	〃	17 10	2 03	6204	5677	49	15	− 3	11	3079	95577	〃
〃	784	9244	〃	17 29	2 22	6086	5569	64	20	− 3	12	2975	95473	〃
〃	Takahama		〃	17 46	2 39	5818	5323	27	8	0	14	2718	95216	〃
〃	〃		XI 10	9 35		5913	5410	〃	〃	4				〃
〃	785	9246	〃	10 02	3 06	6308	5772	49	15	4	16	3085	95583	〃
〃	786	9248	〃	10 19	3 23	6666	6099	60	19	4	17	3415	95913	〃
〃	787	9250	〃	10 36	3 40	6463	5914	50	15	2	19	3222	95720	〃
〃	〃		〃	10 40		2184	1998	〃	〃	2				〃

Table V. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$5.08 \times \Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
16	788	9253	XI 10	11 03	4 03	4506	4123	58	18	2	21	5348	97846	20
〃	789	9255	〃	11 20	4 20	4832	4421	57	18	2	22	5645	98143	〃
〃	790	9257	〃	11 39	4 39	4386	4013	42	13	− 1	24	5227	97725	〃
〃	791	9259	〃	12 01	5 01	5150	4712	50	15	− 1	25	5927	98425	〃
〃	792	9261	〃	12 17	5 17	6220	5691	55	17	− 1	27	6906	99404	〃
〃	793	9263	〃	12 28	5 28	6192	5666	56	17	− 1	28	6880	99378	〃
〃	794	9265	〃	12 42	5 42	5688	5205	48	15	− 4	29	6413	98911	〃
〃	795	9267	〃	14 24	7 24	5476	5011	55	17	− 7	38	6209	98707	〃
〃	796	9268	〃	14 37	7 37	4970	4548	74	23	− 8	39	5750	98248	〃
〃	797	9271	〃	15 08	8 08	4226	3867	45	14	− 8	41	5058	97556	〃
〃	798	9273	〃	15 22	8 22	5903	5401	55	17	− 8	43	6593	99091	〃
〃	799	9275	〃	15 34	8 34	6156	5633	40	12	− 8	44	6819	99317	〃
〃	800	Wajima W.S.*	〃	16 02	9 02	6187	5661	68	21	− 8	46	6854	99352	21
〃	801	〃**	〃	16 10	9 10	6185	5659	27	8	− 8	47	6838	99336	〃
〃	802	F. 17	〃	16 23	9 23	6384	5841	40	12	− 8	48	7023	99521	〃
〃	803	9278	〃	16 50	9 50	6033	5520	39	12	− 6	50	6702	99200	〃
〃	804	9280	〃	17 05	10 05	5135	4699	58	18	− 6	51	5886	98384	〃
〃	805	9283	〃	17 25	10 25	3055	2795	67	21	− 6	53	3983	96481	〃
〃	806	9285	〃	17 46	10 46	3656	3345	50	15	− 6	55	4529	97027	〃
〃	807	9287	〃	18 04	11 04	5217	4774	68	21	− 2	56	5963	98461	〃
〃	Anamizu		〃	18 22	11 22	5175	4735	27	8	− 2	58	5909	98407	〃
〃	〃		XI 11	8 40		5255	4808	〃	〃	1				〃
〃	807	9287	〃	8 54	11 36	5312	4860	50	15	1	59	5967	98465	〃
〃	805	9283	〃	9 19	12 01	3161	2892	68	21	1	61	4003	96501	〃
〃	808	9289	〃	9 58	12 40	5157	4719	59	18	2	65	5824	98322	〃
〃	809	9291	〃	10 14	12 56	5164	4725	66	20	2	66	5831	98329	〃
〃	810	9293	〃	10 38	13 20	4826	4416	58	18	2	68	5518	98016	〃
〃	811	9296	〃	10 58	13 40	3980	3642	54	17	2	70	4741	97239	〃
〃	812	9298	〃	11 14	13 56	3712	3396	66	20	2	71	4497	96995	〃
〃	813	9300	〃	11 29	14 11	3277	2998	64	20	2	72	4098	96596	〃

* Weather Station Bench Mark.

** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

〃	814		9302	〃	11 45	14 27	2796	2558	51	16	1	74	3651	96149	〃
〃	815		9304	〃	12 08	14 50	3096	2833	84	26	1	75	3935	96433	〃
〃	816		9306	〃	13 42	16 24	2718	2487	39	12	− 5	83	3561	96059	〃
〃	〃		〃	〃	13 47		7233	6618	〃	〃	− 5				〃
〃	817		9308	〃	14 00	16 37	6399	5855	42	13	− 5	84	2798	95295	〃
〃	818		9309	〃	14 10	16 47	5618	5140	29	9	− 5	85	2078	94576	〃
〃	778		9233	〃	15 03	17 40	3345	3061	59	18	− 8	90	0	92498	〃

Table VI. Results along Route 21. (0.01 mgal.).

Route 21_1 B.M. 838—Amata Pass (No. 668)—B.M. 838.

Pref.	No.	B.M.		Date 1951	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.36 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
					h m	h m									
15	662		838	X 28	13 09	0 00	1687	1544	64	20	1	0	0	89342	18
〃	663		840	〃	13 23	14	1672	1530	61	19	1	1	− 16	89326	〃
〃	664		842	〃	13 37	28	1512	1383	62	19	− 4	3	− 170	89172	〃
〃	665		844	〃	13 49	40	1155	1057	59	18	− 4	4	− 498	88844	〃
〃	666		846	〃	14 02	53	0654	0598	63	19	− 4	6	− 958	88384	〃
〃	〃		〃	〃	14 05		3065	2804	〃	〃	− 4				〃
〃	667		848	〃	14 18	1 06	3406	3116	55	17	− 4	7	− 649	88693	〃
16·15	668	Amata Pass	P.B.	〃	14 32	1 20	1466	1341	27	8	− 7	8	−2437	86905	〃
15	662		838	〃	15 25	2 13	4125	3774	59	18	− 7	14	0	89342	〃

Route 21_2 Toyama—B.M. 9313—B.M. 838—Toyama.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$3.47\times\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
15	Toyama		X 28	6 55	0 00	5211	4768	27	8	− 3	0	0	87990	17
〃	651	Toyama P.O.*	〃	7 15	20	4900	4484	27	8	− 3	1	− 285	87705	〃
〃	652	830	〃	7 27	32	5186	4745	49	15	− 3	2	− 18	87972	〃
〃	653	833	〃	8 26	1 31	5751	5262	58	18	0	5	502	88492	〃
〃	654	9324	〃	9 47	2 52	7507	6869	57	18	6	10	2110	90100	〃
〃	〃	〃	〃	9 50		2070	1894	〃	〃	6				〃
〃	655	Fushiki W.S.**	〃	10 03	3 05	2085	1908	57	18	6	11	2123	90113	〃
〃	656	〃 ***	〃	10 07	3 09	2089	1911	27	8	6	11	2116	90106	〃
〃	657	9321	〃	10 30	3 32	3041	2783	53	16	6	12	2995	90985	〃
〃	658	9319	〃	10 50	3 52	3563	3260	51	16	6	14	3470	91460	〃
〃	659	9317	〃	11 07	4 09	4964	4542	66	20	6	15	4755	92745	18
〃	660	9315	〃	11 21	4 23	7173	6563	71	22	6	15	6778	94768	〃
〃	〃	〃	〃	11 26		6024	5512	〃	〃	6				〃
〃	661	9313	〃	11 42	4 39	5968	5461	54	17	4	16	6719	94709	〃
〃	〃	〃	〃	11 45		7547	6906	〃	〃	4				〃
〃	662	838	〃	13 09	6 03	1687	1544	64	20	1	21	1352	89342	〃
〃	〃	〃	〃	15 25		4125	3774	59	18	− 7				〃
〃	669	835	〃	15 48	6 26	3301	3020	67	21	− 9	22	598	88588	〃
〃	670	Toyama W.S.****	〃	16 26	7 04	2771	2535	30	9	− 9	25	98	88088	〃
〃	671	〃 *****	〃	16 32	7 10	2747	2514	27	8	− 8	25	77	88067	〃
〃	651	Toyama P.O.	〃	16 45	7 23	2351	2151	27	8	− 8	26	− 287	87703	〃
〃	Toyama		〃	16 54	7 32	2664	2438	27	8	− 8	26	0	87990	〃

* Toyama Prefecture Office.

** Weather Station Bench Mark.

*** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

**** Weather Station Bench Mark.

***** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Route 21_3 Toyama—B.M. 2940—B.M. 813—Toyama.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$7.37 \times \Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
15	Toyama		X 27	8 26	0 00	3900	3569	27	8	4	0	0	87990	17
〃	630	2967	〃	8 40	14	3416	3126	83	26	6	1	− 424	87566	〃
〃	631	2965	〃	9 00	34	3235	2960	74	23	6	4	− 596	87394	〃
〃	632	2961	〃	9 25	59	4326	3958	78	24	6	7	400	88390	〃
〃	633	2959	〃	9 40	1 14	4179	3824	110	34	6	9	274	88264	〃
〃	634	2955	〃	10 07	1 41	4207	3849	56	17	6	13	278	88268	〃
〃	635	2953	〃	10 24	1 58	4665	4268	63	19	6	15	697	88687	〃
〃	636	2951	〃	10 37	2 11	5413	4953	76	23	5	16	1384	89374	〃
〃	637	2949	〃	10 55	2 29	5340	4886	58	18	5	18	1310	89300	〃
〃	638	2947	〃	11 07	2 41	5987	5478	62	19	5	20	1901	89891	〃
〃	639	2945	〃	11 21	2 55	6675	6108	57	18	5	21	2529	90519	〃
〃	640	2943	〃	11 38	3 12	7141	6534	51	16	0	24	2945	90935	〃
〃	〃	〃	〃	11 41		4977	4554	〃	〃	0				〃
〃	641	2940	〃	12 15	3 46	7131	6525	57	18	0	28	4914	92904	〃
〃	640	2943	〃	12 35	4 06	4997	4572	46	14	− 3	30	2952	90942	〃
〃	642	2957	〃	13 40	5 11	1854	1696	15	5	− 6	38	56	88046	〃
〃	643	2963	〃	14 21	5 52	1451	1328	59	18	− 6	43	− 304	87686	〃
〃	644	826	〃	15 04	6 35	1014	0928	63	19	− 8	49	− 711	87279	〃
〃	〃	〃	〃	15 08		6965	6373	〃	〃	− 8				〃
〃	645	824	〃	15 20	6 47	6125	5604	56	17	− 8	50	−1483	86507	〃
〃	646	822	〃	15 31	6 58	4258	3896	56	17	− 8	52	−3193	84797	〃
〃	647	820	〃	15 45	7 12	4176	3821	56	17	− 8	53	−3269	84721	〃
〃	648	818	〃	16 00	7 27	2900	2654	52	16	− 8	55	−4439	83551	〃
〃	〃	〃	〃	16 02		3942	3607	〃	〃	− 8				〃
〃	649	813	〃	16 47	8 12	0437	0400	68	21	− 7	60	−7645	80345	〃
〃	〃	〃	〃	16 50		2093	1915	〃	〃	− 7				〃
〃	650	815	〃	17 05	8 27	1394	1276	73	23	− 7	63	−8285	79705	〃
〃	〃	〃	〃	17 08		0468	0428	〃	〃	− 7				〃
〃	647	820	〃	17 42	9 01	5959	5452	57	18	− 3	66	−3265	84725	〃
〃	〃	〃	〃	17 47		1550	1418	〃	〃	− 3				〃
〃	630	2967	〃	18 30	9 44	4662	4266	82	25	− 3	71	−415	87575	〃
〃	Toyama		〃	18 40	9 54	5132	4696	27	8	1	73	0	87990	〃

Table VII. Results along Route 22. (0.01 mgal.).

Route 22_1 Gifu—B.M. J. 185—Prefecture Boundary (No. 703)—B.M. J. 185—Gifu.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	3.74 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
20	Gifu		X 31	7 30	0 00	6884	6299	27	8	− 9	0	0	76250	18
〃	356	J. 185	〃	7 54	24	6627	6064	47	15	− 9	1	− 229	76021	〃
〃	688	714	〃	8 06	36	6950	6359	56	17	− 9	2	67	76317	〃
〃	689	710	〃	8 28	58	6997	6402	52	16	− 9	4	107	76357	〃
〃	690	708	〃	8 39	1 09	7224	6610	67	21	− 6	4	323	76573	〃
〃	〃	〃	〃	8 42		4978	4555	〃	〃	− 6				〃
〃	691	706	〃	8 56	1 23	5148	4710	47	15	− 6	5	471	76721	〃
〃	692	703	〃	9 12	1 39	4786	4379	62	19	− 6	6	143	76393	〃
〃	693	701	〃	9 25	1 52	3793	3471	50	15	− 6	7	− 770	75480	〃
〃	694	699	〃	9 36	2 03	3723	3407	60	19	− 2	8	− 817	75433	〃
〃	695	697	〃	9 48	2 15	3069	2808	58	18	− 2	9	−1428	74822	〃
〃	696	695	〃	10 00	2 27	1903	1741	67	21	− 2	9	−2492	73758	〃
〃	〃	〃	〃	10 03		6069	5553	〃	〃	− 2				〃
〃	697	688	〃	10 53	3 17	5513	5044	53	16	1	12	−3006	73244	〃
〃	698	686	〃	11 11	3 35	4956	4535	53	16	1	13	−3516	72734	〃
〃	699	684	〃	11 27	3 51	3867	3538	62	19	1	15	−4512	71738	〃
〃	700	681	〃	12 47	5 11	4301	3935	61	19	1	19	−4119	72131	〃
〃	701	678	〃	13 05	5 29	2490	2278	66	20	1	21	−5777	70473	〃
〃	702	675	〃	13 23	5 47	2840	2599	61	19	0	22	−5459	70791	〃
19·20	703	P.B.*	〃	13 44	6 08	2475	2265	27	8	− 4	23	−5809	70441	〃
〃	〃	〃	〃	13 47		0327	0299	〃	〃	− 4				〃
20	698	686	〃	14 50	7 11	2842	2600	53	16	− 6	27	−3506	72744	〃
〃	704	712	〃	16 54	9 15	6742	6169	54	17	−11	35	51	76301	〃
〃	356	J. 185	〃	17 13	9 34	6431	5884	56	17	−11	36	− 235	76015	〃
〃	Gifu		〃	17 30	9 51	6696	6127	27	8	− 9	37	0	76250	〃

* Prefecture Boundary.

Route 22_2 Gifu—B.M. 747—B.M. 723—Gifu.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.32× $\Sigma\delta T$ Drift	Adjustment	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m										
20	Gifu		XI 18	8 00	0 00	5070	4639	27	8	−5	0	0	0	76250	22
〃	885	719	〃	8 51	51	5286	4837	−5	−2	−6	6	−1	182	76432	〃
〃	886	726	〃	9 32	1 32	6018	5506	49	15	−6	9	−4	868	77118	〃
〃	887	728	〃	9 44	1 44	5941	5436	60	19	−6	11	−3	799	77049	〃
〃	888	731	〃	10 00	2 00	5358	4903	50	15	−6	13	−1	258	76508	〃
〃	889	734	〃	10 17	2 17	4498	4116	59	18	−6	15	2	− 531	75719	〃
〃	890	737	〃	10 34	2 34	3906	3574	66	20	−6	16	5	−1075	75175	〃
〃	891	740	〃	11 11	3 11	2413	2208	43	13	−6	20	10	−2457	73793	〃
〃	892	745	〃	11 50	3 50	0893	0817	50	15	−4	24	16	−3854	72396	23
〃	742	747	〃	12 04	4 04	1802	1649	43	13	−4	26	13	−3023	73227	〃
〃	〃	〃	〃	12 07		2391	2188	〃	〃	−4					〃
〃	893	743	〃	13 55	5 52	0521	0477	76	23	−3	37	20	−4741	71509	〃
〃	673	723	〃	15 18	7 15	6461	5912	64	20	−3	46	−3	705	76955	〃
〃	894	721	〃	15 37	7 34	6313	5776	67	21	−4	48	−2	566	76816	〃
〃	895	Gifu W.S.*	〃	16 16	8 13	5309	4858	27	8	−4	52	2	− 373	75877	〃
〃	896	〃**	〃	16 23	8 20	5315	4863	54	17	−4	52	2	− 359	75891	〃
〃	Gifu		〃	16 45	8 42	5719	5233	27	8	−5	55	0	0	76250	〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

** Weather Station Bench Mark.

Route 22_3 Hagiwara—B.M. 747—Hagiwara.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	10.45 × $\sum\delta T$ / Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
20	Hagiwara		XI 3	11 36	0 00	6330	5792	27	8	−5	0	0	67979	19
〃	735	762	〃	12 43	1 07	6460	5911	49	15	−4	11	116	68095	〃
〃	736	760	〃	13 02	1 26	6784	6207	57	18	−4	15	411	68390	〃
〃	737	758	〃	13 18	1 42	7898	7227	—	—	−4	18	1410	69389	〃
〃	〃	〃	〃	13 20		1999	1829	—	—	−4				〃
〃	738	756	〃	13 39	2 01	2504	2291	39	12	−4	21	1881	69860	〃
〃	739	753	〃	13 57	2 19	3917	3584	39	12	−4	24	3171	71150	〃
〃	740	751	〃	14 10	2 32	3962	3625	41	13	−4	26	3211	71190	〃
〃	741	749	〃	14 22	2 44	5160	4721	46	14	−4	28	4306	72285	〃
〃	742	747	〃	14 35	2 57	6193	5667	41	13	−4	31	5248	73227	〃
〃	Hagiwara		〃	15 59	4 21	0482	0441	27	8	−6	46	0	67979	〃

Route 22_4 Hagiwara—B.M. 764—B.M. 778—Hagiwara.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	5.81 × $\sum\delta T$ / Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
20	Hagiwara		XI 3	8 27	0 00	4103	3754	27	8	−5	0	0	67979	19
〃	728	764	〃	8 37	10	4076	3730	61	19	−7	1	− 16	67963	〃
〃	729	766	〃	8 52	25	3700	3386	62	19	−7	2	− 361	67618	〃
〃	730	768	〃	9 07	40	3173	2903	55	17	−7	4	− 848	67131	〃
〃	731	770	〃	9 22	55	2489	2277	137	42	−7	5	−1450	66529	〃
〃	732	772	〃	9 38	1 11	1514	1385	59	18	−8	7	−2369	65610	〃
〃	733	774	〃	9 54	1 27	0776	0710	64	20	−8	9	−3044	64935	〃
〃	〃	〃	〃	9 57		2984	2730	〃	〃	−8				〃
〃	734	776	〃	10 12	1 42	3141	2874	67	21	−8	10	−2900	65079	〃
〃	722	778	〃	10 28	1 58	2609	2387	63	19	−8	12	−3391	64588	〃
〃	Hagiwara		〃	11 36	3 06	6330	5792	27	8	−5	18	0	67979	〃

Route 22$_5$ Takayama—B.M. 778—B.M. 980—Takayama.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$5.59\times\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
20	Takayama		XI 2	7 40	0 00	3133	2867	27	8	−9	0	0	69195	19
〃	717	999	〃	8 24	44	2195	2008	45	14	−9	4	− 857	68338	〃
〃	718	Takayama W.S.*	〃	8 46	1 06	3840	3514	55	17	−9	6	650	69845	〃
〃	719	〃**	〃	8 50	1 10	3801	3478	27	8	−9	7	604	69799	〃
〃	720	782	〃	9 45	2 05	2180	1995	65	20	−8	12	− 871	68324	〃
〃	721	781	〃	10 08	2 28	0834	0763	62	19	−8	14	− 2106	67089	〃
〃	〃	〃	〃	10 12		5085	4653	〃	〃	−8				〃
〃	722	778	〃	10 33	2 49	2351	2151	60	19	−5	16	− 4607	64588	〃
〃	〃	〃	〃	10 35		5094	4661	〃	〃	−5				〃
〃	723	992	〃	11 15	3 29	5027	4600	46	14	−5	20	− 4677	64518	〃
〃	724	990	〃	11 30	3 44	3345	3061	58	18	−5	21	− 6213	62982	〃
〃	725	987	〃	13 22	5 36	0912	0834	54	17	−2	31	− 8448	60747	〃
〃	〃	〃	〃	13 25		7407	6777	〃	〃	−2				〃
〃	726	984	〃	13 45	5 56	6613	6051	66	20	−3	33	− 9174	60021	〃
〃	727	980	〃	14 10	6 21	4605	4214	69	21	−3	36	−11013	58182	〃
〃	〃	〃	〃	14 15		0320	0293	〃	〃	−3				〃
〃	724	990	〃	15 17	7 23	5566	5093	57	18	−5	41	− 6223	62972	〃
〃	〃	〃	〃	15 21		0156	0143	〃	〃	−5				〃
〃	Takayama		〃	17 13	9 15	6985	6391	27	8	−9	52	0	69195	〃

* Weather Station Bench Mark.

** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Route 22_6 B.M. 785—B.M. 811—Takayama—B.M. 785.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$5.57 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
20	705	785	XI 1	10 25	0 00	1179	1079	55	17	−6	0	0	70533	19
〃	706	787	〃	10 46	21	1840	1684	70	22	−3	2	611	71144	〃
〃	707	789	〃	10 56	31	2478	2267	51	16	−3	3	1187	71720	〃
〃	708	791	〃	11 06	41	3150	2882	44	14	−3	4	1799	72332	〃
〃	709	794	〃	11 30	1 05	0190	0174	26	8	−3	6	− 917	69616	〃
〃	710	*	〃	12 19	1 54	4349	3979	27	8	−1	11	2885	73418	〃
〃	711	802	〃	13 23	2 58	4341	3972	46	14	−1	17	2878	73411	〃
〃	712	805	〃	13 44	3 19	5690	5206	81	25	−2	18	4121	74654	〃
〃	713	807	〃	14 00	3 35	6385	5842	56	17	−2	20	4747	75280	〃
〃	〃	〃	〃	14 05		3574	3270	〃	〃	−2				〃
〃	714	811	〃	14 34	4 04	6684	6116	16	5	−5	23	7575	78108	〃
〃	715	809	〃	15 16	4 46	4518	4134	56	17	−5	27	5601	76134	〃
〃	711	802	〃	16 00	5 30	1553	1421	50	15	−8	31	2879	73412	〃
〃	〃	〃	〃	16 03		7634	6985	〃	〃	−8				〃
〃	716	799	〃	16 20	5 47	2989	2735	53	16	−8	32	−1371	69162	〃
〃	Takayama		〃	17 16	6 43	3041	2783	27	8	−10	37	−1338	69195	〃
〃	705	785	〃	17 31	6 58	4497	4115	53	16	−10	39	0	70533	〃

* Kamioka Village Office.

Route 22$_7$ Gifu—B.M. 723—Aburasaka Pass (No. 687)—B.M. 723—Gifu.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.70 × $\sum\delta T$ Drift	Adjustment	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
20	Gifu		X 30	7 49	0 00	3237	2962	27	8	−5	0	0	0	76250	18
〃	672	Gifu P.O.*	〃	8 10	21	3151	2883	27	8	−5	3	0	− 82	76168	〃
〃	673	723	〃	8 43	54	3999	3659	61	19	−1	6	1	705	76955	〃
〃	674	5185	〃	9 00	1 11	3720	3404	53	16	−2	8	1	444	76694	〃
〃	675	5188	〃	9 33	1 44	3412	3122	50	15	1	11	0	162	76412	〃
〃	676	5191	〃	9 55	2 06	2970	2718	69	21	1	14	0	− 239	76011	〃
〃	677	5194	〃	10 25	2 36	2252	2061	60	19	1	17	−1	− 900	75350	〃
〃	678	5197	〃	10 39	2 50	1618	1480	39	12	3	19	−2	− 1487	74763	〃
〃	679	5200	〃	11 04	3 15	1189	1088	49	15	3	22	−2	− 1879	74371	〃
〃	680	5202	〃	11 30	3 41	1111	1017	78	24	3	25	−2	− 1944	74306	〃
〃	681	5205	〃	13 00	5 11	0751	0687	61	19	0	35	−3	− 2291	73959	〃
〃	〃	〃	〃	13 08		7526	6886	〃	〃	0					〃
〃	682	5207	〃	13 25	5 28	7046	6447	59	18	0	37	−3	− 2733	73517	〃
〃	683	5210	〃	13 45	5 48	6395	5851	37	11	−4	39	−4	− 3341	72909	〃
〃	684	5212	〃	14 00	6 03	5781	5290	30	9	−4	41	−5	− 3905	72345	〃
〃	685	5213	〃	14 20	6 23	3770	3450	61	19	−4	43	−7	− 5735	70515	〃
〃	〃	〃	〃	14 25		7594	6949	〃	〃	−4					〃
〃	686	5214	〃	14 40	6 38	2842	2600	55	17	−7	44	−12	−10085	66165	〃
〃	〃	〃	〃	14 43		7558	6916	〃	〃	−7					〃
17	687	Aburasaka Pass P.B.	〃	14 55	6 50	6215	5687	27	8	−7	46	−14	−11323	64927	〃
〃	〃	〃	〃	14 58		0285	0261	〃	〃	−7					〃
20	685	5213	〃	15 20	7 12	6415	5870	61	19	−7	48	−7	− 5712	70538	〃
〃	〃	〃	〃	15 26		0519	0475	〃	〃	−7					〃
〃	673	723	〃	18 06	9 52	7563	6920	65	20	−7	66	1	708	76958	〃
〃	672	Gifu P.O.	〃	18 45	10 31	6704	6134	27	8	−3	70	0	− 89	76161	〃
〃	Gifu		〃	18 52	10 38	6802	6224	27	8	−3	71	0	0	76250	〃

* Gifu Prefecture Office.

Table VIII. Results along Route 23. (0.01 mgal.).

Route 23_1 B.M. J. 2928—B.M. 2940—B.M. J. 2928.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD_2	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	14.76 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
14	2750	J. 2928	X 19	11 01	0 00	3228	2954	45	14	3	0	0	92573	58
〃	2751	2930	〃	11 14	13	5627	5149	68	21	3	3	2199	94772	〃
〃	2752	2932	〃	11 25	24	4400	4026	53	16	3	6	1068	93641	〃
〃	2753	2934	〃	11 37	36	5573	5099	54	17	3	9	2139	94712	〃
〃	2754	2937	〃	12 03	1 02	5003	4578	63	19	3	15	1614	94187	〃
15	2755	2940	〃	12 21	1 20	3607	3300	57	18	3	19	331	92904	〃
14	2756	J. 2928	〃	13 04	2 03	3263	2986	44	14	2	31	0	92573	〃

Route 23_2 B.M. J. 2928—B.M. 2915—B.M. J. 2928.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.32 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
14	2756	J. 2928	X 19	13 04	0 00	3263	2986	44	14	2	0	0	92573	58
〃	2757	2925	〃	14 17	1 13	3405	3116	62	19	− 2	8	123	92696	〃
〃	$2758._1$	2922	〃	14 36	1 32	1831	1675	51	16	− 6	9	− 1326	91247	〃
〃	$2758._2$	〃	〃	14 38		7772	7111	〃	〃	− 6				〃
〃	2759	2919	〃	14 58	1 52	3630	3321	56	17	− 6	12	− 5118	87455	59
〃	$2760._1$	2917	〃	15 15	2 09	2071	1895	62	19	− 6	14	− 6544	86029	〃
〃	$2760._2$	〃	〃	15 17		5104	4670	〃	〃	− 6				〃
19	2761	2915	〃	15 38	2 30	1314	1202	61	19	− 8	16	−10016	82557	〃
14	$2762._1$	2917	〃	16 01	2 53	5123	4688	62	19	− 8	18	− 6532	86041	〃
〃	$2762._2$	〃	〃	16 03		0321	0294	〃	〃	− 8				〃
〃	$2763._1$	2922	〃	16 31	3 21	6037	5524	53	16	− 9	21	− 1309	91264	〃
〃	$2763._2$	〃	〃	16 34		1655	1514	〃	〃	− 9				〃
〃	2764	J. 2928	〃	16 59	3 46	3085	2823	62	19	− 9	24	0	92573	〃

Route 23_3 B.M. 3723—B.M. J. 2928—B.M. 3723.

Pref.	No.	B.M.	Date 1952	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
14	2741	3723	X 19	8 34	0 00	5140	4703	78	24	− 3	0	0	94326	58
〃	2742	3721	〃	8 45	11	4927	4508	49	15	− 3	0	− 204	94122	〃
〃	2743	3719	〃	8 56	22	3873	3544	72	22	− 3	0	−1161	93165	〃
〃	2744	3717	〃	9 19	45	3477	3181	76	23	− 3	0	−1523	92803	〃
〃	2745	3715	〃	9 32	58	3782	3461	60	19	1	0	−1243	93083	〃
〃	2746	3712	〃	9 52	1 18	4059	3714	54	17	1	0	− 992	93334	〃
〃	2747	3710	〃	10 03	1 29	3208	2935	52	16	1	0	−1772	92554	〃
〃	2748	3707	〃	10 20	1 46	1906	1744	47	15	1	0	−2964	91362	〃
〃	2749	3705	〃	10 32	1 58	1955	1789	65	20	3	0	−2912	91414	〃
〃	2750	J. 2928	〃	11 01	2 27	3228	2954	45	14	3	0	−1753	92573	〃
〃	2764	〃	〃	16 59		3085	2823	62	19	− 9				59
〃	2765	3723	〃	19 03	4 31	4991	4567	77	24	− 5	0	0	94326	〃

Route 23_1 B.M. 3723—B.M. 3620—B.M. 3594—B.M. 6765—B.M. 3744—B.M. 3723.

Pref.	No.	B.M.	Date 1952	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	7.65 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
14	2765	3723	X 19	19 03	0 00	4991	4567	77	24	− 5	0	0	94326	59
〃	2766.1		〃	20 35	1 32	1103	1009	—	—	6	11	− 3582	90744	〃
〃	2766.2		〃	20 38		7791	7129	—	—	6				〃
〃	2767.1		〃	21 07	2 01	0931	0852	—	—	6	15	− 9863	84463	〃
〃	2767.2		〃	21 10		7816	7152	—	—	6				〃
19	2768	*	〃	22 11	3 02	5073	4642	—	—	11	23	−12376	81950	〃
〃	2750.2		X 15	16 02		0018	0016	—	—	− 7				57
〃	2651	3620	〃	18 03	5 03	3206	2933	47	15	− 3	39	− 9456	84870	〃
14	2652	3618	〃	18 33	5 33	3354	3069	62	19	1	43	− 9316	85010	〃
〃	2653	3616	〃	18 47	5 47	3764	3444	69	21	1	44	− 8940	85386	〃

* Iiyama Kensetsu Office.

Table VIII. (Continued)

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$7.65 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
14	2654	3614	X 15	19 03	6 03	4656	4260	57	18	1	47	−8130	86196	57
〃	2655	3612	〃	19 20	6 20	4729	4327	44	14	1	48	−8068	86258	〃
〃	2656	3610	〃	19 31	6 31	5297	4847	50	15	4	50	−7546	86780	〃
〃	2657.1	3608	〃	19 45	6 45	6144	5622	43	13	4	52	−6775	87551	〃
〃	2657.2	〃	〃	19 47		0100	0092	〃	〃	4				〃
〃	2658	3606	〃	20 15	7 13	1537	1406	47	15	4	55	−5462	88864	〃
〃	2659	3604	〃	20 27	7 25	2649	2424	51	16	4	57	−4445	89881	〃
〃	2661	〃	X 16	9 07		2717	2486	59	18	5				〃
〃	2662	3601	〃	9 23	7 41	4543	4157	63	19	5	59	−2775	91551	〃
〃	2663	3596	〃	9 56	8 14	5641	5162	78	24	7	63	−1767	92559	〃
〃	2664	3594	〃	10 11	8 29	5857	5359	59	18	7	65	−1578	92748	〃
〃	2681	〃	〃	16 07		5744	5256	〃	〃	− 8				〃
〃	2682.1	3768	〃	16 42	9 04	6694	6125	54	17	− 7	70	− 714	93612	〃
〃	2682.2	〃	〃	16 45		0983	0899	〃	〃	− 7				〃
〃	2683	3766	〃	16 55	9 14	2350	2150	59	18	− 7	70	538	94864	〃
〃	2684	3763	〃	17 07	9 26	4291	3926	63	19	− 7	72	2313	96639	〃
〃	2685	3762	〃	17 15	9 34	4155	3802	69	21	− 7	73	2190	96516	〃
〃	2686	6765	〃	17 42	10 01	3452	3159	86	27	− 5	77	1551	95877	〃
〃	2699	〃	X 17	15 15		3510	3212	82	25	− 7				58
〃	2700	3760	〃	15 32	10 18	3805	3482	37	11	− 8	79	1804	96130	〃
〃	2701	3758	〃	15 40	10 26	2935	2686	42	13	− 8	80	1009	95335	〃
〃	2702	3755	〃	15 50	10 36	2428	2222	35	11	− 8	81	542	94868	〃
〃	2703	3752	〃	16 03	10 49	1627	1489	59	18	− 8	83	− 186	94140	〃
〃	2704	3749	〃	16 21	11 07	2637	2413	32	10	− 8	85	728	95054	〃
〃	2705	3747	〃	16 33	11 19	3253	2976	48	15	− 9	86	1294	95620	〃
〃	2706	3744	〃	17 02	11 48	4430	4053	67	21	− 9	90	2373	96699	〃
〃	2731	〃	X 18	17 53		2415	2210	64	20	− 6				〃
〃	2732	3742	〃	18 47	12 42	2980	2727	59	18	− 2	97	2885	97211	〃
〃	2733	3739	〃	19 17	13 12	2062	1887	76	23	− 2	101	2046	96372	〃
〃	2734	3736	〃	19 42	13 37	1577	1443	36	11	4	104	1593	95919	〃

〃	2735	3734	〃	19 56	13 51	1700	1556	56	17	4	106	1710	96036	〃
〃	2736.1	3732	〃	20 10	14 05	0928	0849	63	19	4	108	1003	95329	〃
〃	2736.2	〃	〃	20 13		6131	5610	〃	〃	4				〃
〃	2737	3729	〃	20 29	14 21	5823	5328	62	19	4	110	719	95045	〃
〃	2738	3727	〃	20 38	14 30	5860	5362	74	23	8	111	760	95086	〃
〃	2739	3725	〃	20 47	14 39	5465	5000	65	20	8	112	394	94720	〃
〃	2740	3723	〃	21 02	14 54	5032	4604	79	24	8	114	0	94326	〃

Route 23_5 B.M. 3594—B.M. 3563—B.M. 3594.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$5.00 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
14	2664	3594	X 16	10 11	0 00	5857	5359	59	18	7	0	0	92748	57
〃	2665	3592	〃	10 22	11	6965	6373	61	19	7	1	1014	93762	〃
〃	2666	3589	〃	10 37	26	5879	5379	75	23	6	2	22	92770	〃
〃	2667	3587	〃	10 47	36	5997	5487	57	18	6	3	124	92872	〃
〃	2668	3584	〃	11 03	52	6456	5907	62	19	6	5	543	93291	〃
〃	2669	3582	〃	11 13	1 02	6157	5634	69	21	6	5	272	93020	〃
〃	2670	3580	〃	11 21	1 10	4892	4476	62	19	6	6	− 889	91859	〃
〃	2671	3578	〃	11 30	1 19	4602	4211	44	14	3	7	−1163	91585	〃
〃	2672	3576	〃	11 38	1 27	3412	3122	51	16	3	8	−2251	90497	〃
〃	2673	3574	〃	11 48	1 37	3067	2806	54	17	3	8	−2566	90182	〃
〃	2674	3572	〃	11 56	1 45	2760	2525	44	14	3	9	−2851	89897	〃
〃	2675.1	3570	〃	12 05	1 54	0793	0726	64	20	3	10	−4645	88103	〃
〃	2675.2	〃	〃	12 08		7813	7149	〃	〃	3				〃
〃	2676	3568	〃	12 19	2 05	4769	4364	52	16	3	11	−7435	85313	〃
〃	2677.1	3566	〃	12 30	2 16	3136	2869	47	15	0	12	−8935	83813	〃

Table VIII. (Continued)

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$5.00 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
14	2677.$_2$	3566	X 16	12 32		7813	7149	47	15	0				57
〃	2678	3563	〃	13 04	2 48	2501	2288	68	21	0	14	−13792	78956	〃
〃	2679.$_1$	3566	〃	13 30	3 14	7823	7158	52	16	− 4	16	− 8933	83815	〃
〃	2679.$_2$	〃	〃	13 33		1023	0936	〃	〃	− 4				〃
〃	2680.$_1$	3570	〃	14 54	4 35	5721	5235	64	20	− 7	23	− 4640	88108	〃
〃	2680.$_2$	〃	〃	14 56		0663	0607	〃	〃	− 7				〃
〃	2681	3594	〃	16 07	5 46	5744	5256	59	18	− 8	29	0	92748	〃

Route 23_6 B.M. 3744—B.M. 4424—B.M. 3744.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$8.21 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
14	2706	3744	X 17	17 02	0 00	4430	4053	67	21	− 9	0	0	96699	58
〃	2707	4463	〃	17 13	11	3424	3133	68	21	− 9	2	− 922	95777	〃
〃	2708	4460	〃	17 28	26	5085	4653	98	30	− 9	3	606	97305	〃
〃	2709.$_1$	4457	〃	17 49	47	7026	6429	34	10	− 7	7	2360	99059	〃
〃	2709.$_2$	〃	〃	17 52		0599	0548	〃	〃	− 7				〃
〃	2710	4455	〃	18 06	1 01	1471	1346	54	17	− 7	8	3164	99863	〃
〃	2711.$_1$	4452	〃	18 26	1 21	0296	0271	64	20	− 7	11	2089	98788	〃
〃	2711.$_2$	〃	〃	18 31		2310	2114	〃	〃	− 3			980.	〃
〃	2712	4449	〃	20 08	2 58	4171	3816	51	16	2	25	3778	00477	〃
〃	2713.$_1$	4447	〃	20 23	3 13	6290	5755	130	40	2	26	5740	02439	〃

〃	2713.2			〃	〃	20 26		1520	1391	〃	〃	2				〃
〃	2714.1			〃	〃	21 25	4 12	0323	0296	—	—	6	34	4601	01300	〃
〃	2714.2			〃	〃	21 29		3514	3215	—	—	6				〃
															979.	
〃	2715		4444		〃	21 42	4 25	1091	0998	52	16	9	36	2401	99100	〃
															980.	
〃	2716		4442		〃	22 09	4 52	3323	3041	48	15	9	40	4439	01138	〃
〃	2717		4440		〃	22 30	5 13	4126	3775	64	20	10	43	5176	01875	〃
〃	2718		4438		〃	22 40	5 23	3473	3178	32	10	10	44	4568	01267	〃
															979.	
〃	2719		4436		〃	22 51	5 34	1684	1541	54	17	10	46	2936	99635	〃
〃	2720		4433		〃	23 12	5 55	1833	1677	57	18	10	48	3071	99770	〃
〃	2721		4431		〃	23 23	6 06	1470	1345	52	16	10	50	2735	99434	〃
〃	2722.1		4429		〃	23 38	6 21	0782	0716	50	15	9	53	2101	98800	〃
〃	2722.2		〃		〃	23 43		3480	3184	〃	〃	9				〃
〃	2723		4424		X 18	0 08	6 46	3568	3265	80	25	9	56	2189	98888	〃
〃	2724		〃		〃	10 06		3652	3342	82	25	3				〃
〃	2725	Niigata	W.S.*		〃	11 30	8 10	3649	3339	27	8	2	67	2157	98856	〃
〃	2726		4426		〃	12 13	8 53	3385	3097	39	12	2	73	1913	98612	〃
															980.	
〃	2727		4**		〃	13 08	9 48	6422	5876	22	7	0	80	4678	01377	〃
〃	2728.		〃		〃	13 41	10 21	6428	5882	31	10	− 4	85	4678	01377	〃
〃	2728.2		〃		〃	13 44		2054	1879	〃	〃	− 4				〃
〃	2729	Maze	Obs.***		〃	14 00	10 37	4373	4001	27	8	− 4	87	6796	03495	〃
〃	2730.1		4**		〃	14 53	11 30	2077	1900	31	10	− 7	94	4687	01386	〃
〃	2730.2		〃		〃	14 56		7522	6883	〃	〃	− 7				〃
															979.	
〃	2731		3744		〃	17 53	14 27	2415	2210	64	20	− 6	119	0	96699	〃

* Weather Station, on the Concrete Block, Called a Bench-mark.

** Earthquake Research Institute Bench Marks.

*** Observatory, on the Block for Calibration of the Portable Tiltmeter.

Route 23_7 B.M. 6765—B.M. 6742—B.M. 6765.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	4.41 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
14	2690	6765	X 17	9 17	0 00	3549	3247	78	24	4	0	0	95877	57
〃	2691	6759	〃	9 45	28	3136	2869	59	18	4	2	− 386	95491	〃
〃	2692	6755	〃	10 10	53	3320	3038	58	18	4	4	− 219	95658	〃
〃	2693	6753	〃	10 21	1 04	4637	4243	69	21	4	5	988	96865	〃
〃	2694	6751	〃	10 36	1 19	4424	4048	65	20	4	6	791	96668	〃
〃	2695	6748	〃	10 50	1 33	4793	4386	63	19	4	7	1127	97004	〃
〃	2696.1	6745	〃	11 09	1 52	0463	0424	44	14	5	8	−2840	93037	〃
〃	2696.2	〃	〃	11 11		7041	6443	〃	〃	5				〃
〃	2697	6742	〃	11 46	2 27	2941	2691	64	20	3	11	−6591	89286	〃
〃	2698.1	6745	〃	12 11	2 52	7056	6456	45	14	3	13	−2834	93043	58
〃	2698.2	〃	〃	12 14		0400	0366	〃	〃	3				〃
〃	2699	6765	〃	15 15	5 53	3510	3212	82	25	− 7	26	0	95877	〃

Route 23_8 B.M. 6765—B.M. 6761—B.M. 6765.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	3.64 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
14	2686	6765	X 16	17 42	0 00	3452	3159	86	27	− 5	0	0	95877	57
〃	2687	6763	〃	17 54	12	3181	2911	63	19	− 5	1	− 257	95620	〃
〃	2688	6761	〃	18 06	24	2971	2718	58	18	− 5	1	− 451	95426	〃
〃	2689	6765	〃	18 48	1 06	3451	3158	92	28	− 1	4	0	95877	〃

Route 23_9 B.M. 4424—B.M. J. 4410—Niigata—B.M. 4424.

Pref.	No.	B.M.	Date 1952	Time	$\Sigma\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$6.14 \times \Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
14	2561.2	4424	X 9	10 19	0 00	4060	3715	80	25	− 2	0	0	98888	55
〃	2562 Niigata	P.O.*	〃	10 33	14	3987	3648	27	8	− 4	1	− 87	98801	〃
〃	2563	4422	〃	11 02	43	4220	3861	46	14	− 4	4	129	99017	〃
〃	2564	4420	〃	11 20	1 01	4351	3981	58	18	− 4	6	251	99139	〃
〃	2565	4418	〃	11 40	1 21	4509	4126	78	24	− 4	9	399	99287	〃
〃	2566	4416	〃	11 53	1 34	4842	4430	48	15	− 4	10	693	99581	〃
													980.	
〃	2567	4413	〃	12 09	1 50	5524	5054	62	19	− 4	11	1320	00208	〃
〃	2568	J. 4410	〃	12 26	2 07	7798	7135	74	23	− 4	13	3403	02291	〃
〃	2610	〃	X 10	23 05		7313	6691	75	23	− 2				56
〃	2611.1	4424	〃	23 47	2 49	3600	3294	78	24	− 1	17	4	98892	〃
〃	2611.2	〃	〃	23 58		1998	1828	〃	〃	− 1				〃
〃	Niigata 2612.1		X 11	8 14	11 05	2103	1924	27	8	5	68	39	98927	〃
〃	〃 2612.2		〃	8 17		0301	0275	〃	〃	5				〃
〃	2613	4424	〃	8 33	11 21	0246	0225	76	23	3	70	0	98888	〃

* Niigata Prefecture Office.

Route 23_{10} B.M. J. 4410—B.M. 4377—B.M. J. 4410.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.96 × $\sum\delta T$ Drift	Adjust-ment	$\sum\delta g$	g 980.	Field Note No.
				h m	h m										
14	2568	J. 4410	X 9	12 26	0 00	7798	7135	74	23	− 4	0	0	0	02291	55
〃	2569	4408	〃	12 45	19	6541	5985	65	20	− 4	2	−14	−1141	01150	〃
〃	2570	4406	〃	12 59	33	5355	4900	59	18	− 4	4	−27	−2217	00074	〃
														979.	
〃	2571	4404	〃	13 13	47	4630	4236	63	19	− 4	6	−35	−2874	99417	〃
〃	2572	4402	〃	13 27	1 01	4232	3872	65	20	− 4	7	−40	−3233	99058	〃
〃	2573	4400	〃	13 44	1 18	4341	3972	72	22	− 5	9	−39	−3135	99156	56
〃	2574	4398	〃	14 00	1 34	5137	4700	73	23	− 5	11	−30	−2417	99874	〃
														980.	
〃	2575.1	4396	〃	14 20	1 54	7407	6777	66	20	− 5	13	− 5	− 370	01921	〃
〃	2575.2	〃	〃	14 23		3817	3492	〃	〃	− 5					〃
〃	2576	4394	〃	14 36	2 07	3241	2966	89	27	− 5	15	−11	− 886	01405	〃
〃	2577	4392	〃	14 57	2 28	3038	2780	65	20	− 5	17	−13	−1079	01212	〃
〃	2578	4389	〃	15 25	2 56	2841	2600	63	19	− 5	20	−16	−1260	01031	〃
〃	2579	4386	〃	15 47	3 18	2215	2027	62	19	− 5	23	−23	−1829	00462	〃
														979.	
〃	2580.1	4384	〃	16 03	3 34	0263	0241	65	20	− 5	25	−44	−3595	98696	〃
〃	2580.2	〃	〃	16 06		7762	7102	〃	〃	− 5					〃
〃	2581	4382	〃	16 34	4 02	6712	6141	65	20	− 5	28	−56	−4547	97744	〃
〃	2582	4380	〃	16 50	4 18	5831	5335	58	18	− 5	30	−66	−5347	96944	〃
〃	2583	4377	〃	17 12	4 40	4013	3672	72	22	− 5	33	−86	−6989	95302	〃
〃	2584.1	4384	〃	18 04	5 32	7779	7118	64	20	− 6	38	−44	−3593	98698	〃
〃	2585	〃	X 10	6 52		0307	0281	〃	〃	4					〃
														980.	
〃	2586	J. 4410	〃	9 15	7 55	4303	3937	73	23	− 1	55	0	0	02291	〃

Route 23_{11} B.M. J. 4410—B.M. 6517—B.M. J. 4410.

Pref.	No.	B.M.	Date 1952	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	7.57 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 980.	Field Note No.
				h m	h m									
14	2586	J. 4410	X 10	9 15	0 00	4303	3937	73	23	− 1	0	0	02291	56
〃	2587.1	6473	〃	9 46	31	5797	5304	67	21	− 2	4	1360	03651	〃
〃	2587.2	〃	〃	9 49		0438	0401	〃	〃	− 2				〃
〃	2588	6475	〃	10 03	45	1278	1169	58	18	− 2	6	2123	04414	〃
〃	2589.1		〃	10 35	1 17	0289	0264	—	—	− 4	10	1194	03485	〃
〃	2589.2		〃	10 37		4020	3678	—	—	− 4				〃
〃	2590	6478	〃	10 48	1 28	2391	2188	53	16	− 4	11	− 281	02010	〃
〃	2591	6480	〃	11 04	1 44	2347	2148	60	19	− 4	13	− 320	01971	〃
〃	2592	6482	〃	11 15	1 55	2774	2538	70	22	− 4	14	72	02363	〃
〃	2593	6484	〃	11 33	2 13	3692	3378	64	20	− 4	17	907	03198	〃
〃	2594	6486	〃	11 48	2 28	4319	3952	59	18	− 4	19	1477	03768	〃
〃	2595	6488	〃	12 01	2 41	5057	4627	69	21	− 4	20	2154	04445	〃
〃	2596	6490	〃	12 14	2 54	5671	5189	66	20	− 4	22	2713	05004	〃
〃	2597	6492	〃	14 34	5 14	6215	5687	57	18	− 6	39	3190	05481	〃
〃	2598	6494	〃	14 57	5 37	6277	5743	58	18	− 6	42	3243	05534	〃
〃	2599	6496	〃	15 10	5 50	5672	5190	55	17	− 6	44	2687	04978	〃
〃	2600	6498	〃	15 22	6 02	6215	5687	72	22	− 6	45	3188	05479	〃
〃	2601	6500	〃	15 34	6 14	6105	5586	55	17	− 6	47	3080	05371	〃
〃	2602	6503	〃	15 53	6 33	3278	2999	61	19	− 6	50	492	02783	〃
〃	2603.1	6507	〃	16 31	7 11	7175	6565	36	11	− 6	55	4045	06336	〃
〃	2603.2	〃	〃	16 35		1084	0992	〃	〃	− 6				〃
〃	2604	6509	〃	16 46	7 22	3286	3007	74	23	− 6	56	6071	08362	〃
〃	2605	6512	〃	17 01	7 37	5403	4944	65	20	− 6	58	8003	10294	〃
〃	2606	6515	〃	17 25	8 01	5484	5018	66	20	− 6	61	8074	10365	〃
5	2607	6517	〃	17 40	8 16	5658	5177	62	19	− 5	63	8231	10522	〃
14	2608.1	6507	〃	18 28	9 04	1108	1014	34	10	− 5	69	4053	06344	〃
〃	2608.2	〃	〃	18 31		7178	6568	〃	〃	− 5				〃
〃	2609.1	6503	〃	19 00	9 33	3290	3010	62	19	− 5	73	500	02791	〃
〃	2609.2	〃	〃	19 04		7834	7168	〃	〃	− 5				〃
〃	2610	J. 4410	〃	23 05	13 34	7313	6691	75	23	− 2	103	0	02291	〃

Route 23_{12} Ryôtsu—B.M. 9413—B.M. 9435—Ryôtsu.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	5.29 × $\sum\delta T$ Drift	$\sum\delta g$	g 980.	Field Note No.
				h m	h m									
14	Ryôtsu 2614.2		X 11	13 52	0 00	4758	4354	27	8	− 5	0	0	06885	56
〃	2615	9424	〃	14 20	28	4758	4354	52	16	− 5	3	5	06890	〃
〃	2616	9422	〃	14 32	40	4335	3967	47	15	− 5	4	− 384	06501	〃
〃	2617	9420	〃	14 43	51	4453	4074	74	23	− 5	5	− 270	06615	〃
〃	2618	J. 9418	〃	14 58	1 06	4224	3865	49	15	− 5	6	− 488	06397	〃
〃	2619	9416	〃	15 13	1 21	4841	4430	58	18	− 5	7	79	06964	〃
〃	2620	9413	〃	15 43	1 51	6818	6238	58	18	− 5	10	1884	08769	〃
〃	2621	9435	〃	16 18	2 26	4319	3952	60	19	− 5	13	− 404	06481	〃
〃	2628	〃	X 12	9 08		4437	4060	65	20	5				〃
〃	2629	9431	〃	9 47	3 05	3983	3644	48	15	3	16	− 830	06055	〃
〃	2630	9429	〃	10 44	4 02	4296	3931	68	21	1	21	− 544	06341	〃
〃	2631	9427	〃	10 57	4 15	5203	4761	64	20	1	23	283	07168	〃
〃	2632	9425	〃	11 13	4 31	4904	4487	54	17	1	24	5	06890	〃
〃	2633	9424	〃	11 26	4 44	4900	4484	58	18	1	25	2	06887	57
〃	Ryôtsu 2634.1		〃	11 49	5 07	4915	4497	27	8	− 2	27	0	06885	〃

Route 23_{13} B.M. 9435—B.M. 9445—B.M. 9435.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	8.97 × $\sum\delta T$ Drift	$\sum\delta g$	g 980.	Field Note No.
				h m	h m									
14	2621	9435	X 11	16 18	0 00	4319	3952	60	19	− 5	0	0	06481	56
〃	2622	9434	〃	16 27	9	3900	3569	54	17	− 5	2	− 387	06094	〃
〃	2623	9439	〃	16 48	30	4105	3756	61	19	− 5	4	− 200	06281	〃
〃	2624	9441	〃	17 05	47	5754	5265	51	16	− 5	7	1303	07784	〃
〃	2625	9445	〃	17 43	1 25	5375	4918	40	12	− 4	13	947	07428	〃
〃	2626	9443	〃	18 05	1 47	2714	2483	53	16	− 4	16	−1487	04994	〃
〃	2627	9435	〃	19 12	2 54	4345	3976	65	20	− 4	26	0	06481	〃

Table IX. Results along Route 28. (0.01 magl.).

Route 28_1 B.M. J. 141—Prefecture Boundary—(No. 1249)—B.M. J. 141.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$2.47 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
21	1263	J. 141	I 18	10 20	0 00	4238	3878	56	17	−7	0	0	74942	30
〃	1264	142	〃	10 31	11	3903	3571	75	23	−5	0	− 299	74643	〃
〃	1265	143	〃	10 45	25	3479	3183	60	19	−5	1	− 692	74250	31
〃	1266	144	〃	10 58	38	3440	3148	74	23	−5	1	− 723	74219	〃
〃	1267	145	〃	11 20	1 00	2869	2625	24	7	−5	2	−1263	73679	〃
〃	1268	146	〃	11 39	1 19	3905	3573	58	18	−2	3	− 302	74640	〃
〃	1269	147	〃	11 54	1 34	4551	4164	69	21	−2	4	291	75233	〃
〃	1270	148	〃	12 10	1 50	4667	4270	92	28	−2	4	404	75346	〃
〃	1271	Hamamatsu W.S.*	〃	12 40	2 20	4084	3737	68	21	1	6	− 135	74807	〃
〃	1272	149	〃	13 31	3 11	4321	3954	25	8	4	8	70	75012	〃
〃	1273	150	〃	13 45	3 25	4768	4363	63	19	4	8	490	75432	〃
〃	1274	151	〃	13 59	3 39	4887	4472	76	23	4	9	602	75544	〃
〃	1275	152	〃	14 15	3 55	6347	5808	45	14	4	10	1928	76870	〃
〃	1276	F. 38	〃	14 52	4 32	5730	5243	40	12	5	11	1361	76303	〃
〃	1277	$154._1$	〃	15 15	4 55	5739	5251	50	15	5	12	1371	76313	〃
〃	1278	$155._1$	〃	15 35	5 15	5473	5008	65	20	5	13	1132	76074	〃
〃	1249	P.B.**	〃	15 55	5 35	1913	1750	27	8	5	14	−2139	72803	〃
〃	1263	J. 141	〃	18 26	8 06	4251	3890	56	17	1	20	0	74942	〃

* Weather Station Bench Mark.

** Prefecture Boundary.

Route 28_2 B.M. J. 141—Mori—B.M. 5294—B.M. J. 141.

Pref.	No.	B.M.	Date 1952	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$0.97\times\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
21	1263	J. 141	I 18	18 26	0 00	4251	3890	56	17	1	0	0	74942	31
〃	1279	5260	〃	18 41	15	4658	4262	55	17	−1	0	370	75312	〃
〃	1280	5262	〃	18 53	27	4988	4564	65	20	−1	0	675	75617	〃
〃	1281	5263	〃	19 03	37	5182	4742	64	20	−1	1	852	75794	〃
〃	Mori		〃	19 12	46	5188	4747	27	8	−1	1	845	75787	〃
〃	〃		I 19	8 57		5302	4851	〃	〃	−6				〃
〃	1281	5263	〃	9 09	58	5286	4837	63	19	−6	1	842	75784	〃
〃	1282	5264	〃	9 21	1 10	5237	4792	80	25	−6	1	803	75745	〃
〃	1283	5266	〃	9 36	1 25	4779	4373	59	18	−7	1	376	75318	〃
〃	1284	5268	〃	9 49	1 38	3891	3560	55	17	−7	2	− 439	74503	〃
〃	1285	5269	〃	10 00	1 49	3268	2990	59	18	−7	2	−1008	73934	〃
〃	1286	5273	〃	10 42	2 31	2354	2154	53	16	−6	2	−1845	73097	〃
〃	1287	5275	〃	11 04	2 53	4168	3814	59	18	−6	3	− 184	74758	〃
〃	1288	5286	〃	14 48	6 37	3247	2971	41	13	5	6	−1024	73918	〃
〃	1289	5291	〃	15 36	7 25	1970	1803	65	20	6	7	−2185	72757	〃
〃	〃	〃	〃	15 40		5006	4580	〃	〃	6				〃
〃	1290	5293	〃	15 58	7 43	4422	4046	96	30	6	7	−2709	72233	〃
〃	1291	5294	〃	16 19	8 04	1993	1824	58	18	6	8	−4944	69998	〃
〃	〃	〃	〃	16 22		0173	0158	〃	〃	6				〃
〃	1263	J. 141	〃	19 40	11 22	5587	5112	49	15	2	11	0	74942	〃

Route 28_3 Shizuoka (No. 1250)—Shimada—B.M. J. 141—Shizuoka—Shizuoka (No. 1250)

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$5.51 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
21	1250	Shizuoka P.O.*	I 17	13 16	0 00	4569	4181	27	8	1	0	0	75336	30
〃	1251	128.1	〃	14 40	1 24	5067	4636	64	20	3	8	461	75797	〃
〃	1252	129.1	〃	14 55	1 39	5976	5468	81	25	3	9	1297	76633	〃
〃	1253	131	〃	15 21	2 05	6057	5542	76	23	3	12	1366	76702	〃
〃	1254	132	〃	15 34	2 18	6334	5796	55	17	3	13	1613	76949	〃
〃	1255	133	〃	15 50	2 34	5994	5485	68	21	3	14	1305	76641	〃
〃	1256	134	〃	16 05	2 49	5949	5443	73	23	3	15	1264	76600	〃
〃	1257	135	〃	16 18	3 02	5441	4979	61	19	3	17	794	76130	〃
〃	1258	136	〃	16 31	3 15	4901	4484	55	17	2	18	295	75631	〃
〃	1259	137	〃	16 49	3 33	3113	2848	63	19	2	20	−1341	73995	〃
〃	Shimada		〃	17 35	4 19	5168	4729	27	8	0	24	523	75859	〃
〃	〃		I 18	9 00		5243	4797	〃	〃	−7				〃
〃	1258	136	〃	9 16	4 35	4990	4566	56	17	−7	25	300	75636	〃
〃	1260	138	〃	9 37	4 56	3234	2959	50	15	−7	27	−1311	74025	〃
〃	1261	139	〃	9 49	5 08	4750	4346	61	19	−7	28	79	75415	〃
〃	1262	140	〃	10 02	5 21	4464	4085	60	19	−7	30	− 184	75152	〃
〃	1263	J. 141	〃	10 20	5 39	4238	3878	56	17	−7	31	− 394	74942	〃
〃	〃	〃	I 19	19 40		5587	5112	49	15	2				31
〃	1251	128.1	〃	21 00	6 59	6544	5988	63	19	0	39	476	75812	〃
〃	Shizuoka		〃	21 42	7 41	6173	5648	27	8	−1	42	121	75457	〃
〃	〃		I 20	9 25		4983	4559	〃	〃	−5				〃
〃	1250	Shizuoka P.O.	〃	9 32	7 48	4853	4440	27	8	−6	43	0	75336	〃

* Shizuoka Prefecture Office.

Route 28_4 B.M. J. $70._1$—Prefecture Boundary (No. 1301)—B.M. J. $70._1$.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	1.94 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
21	1296	J. $70._1$	I 20	11 17	0 00	3548	3246	54	17	−7	0	0	74145	31
〃	1297	$71._1$	〃	11 35	18	2874	2630	68	21	−6	1	− 612	73533	〃
〃	1298	$72._1$	〃	11 49	32	1682	1539	71	22	−6	1	−1702	72443	〃
〃	〃	〃	〃	11 53		4030	3687	〃	〃	−6				〃
〃	1299	$73._1$	〃	12 10	49	1322	1210	67	21	−6	2	−4181	69964	〃
〃	1300	$74._1$	〃	12 29	1 08	1260	1153	38	12	−6	2	−4247	69898	〃
18	1301	P.B.*	〃	13 26	2 05	3240	2965	27	8	−4	4	−2439	71706	〃
21	1296	J. $70._1$	〃	14 24	3 03	5896	5395	53	16	−1	6	0	74145	〃

* Prefecture Boundary.

Route 28_5 B.M. $58._1$—Mishima—B.M. 9406—Shizuoka (No. 1250)—B.M. J. 70—B.M. $58._1$.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	3.09 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
21	1313	$58._1$	I 24	21 26		3793	3471	60	19	17	0	0	79464	33
〃	Mishima	〃	〃	21 56	30	3630	3321	27	8	20	2	− 160	79304	〃
〃	〃	〃	I 25	9 10		6050	5536	〃	〃	−4				〃
〃	1369	9406	〃	10 09	1 29	7688	7035	62	19	−2	5	1349	80813	〃
〃	1370	Shizuoka W.S.*	〃	11 57	3 17	1885	1725	27	8	−4	10	−3979	75485	〃
〃	1371	〃 **	〃	12 03	3 23	1906	1744	〃	〃	−4	11	−3961	75503	〃
〃	1250	Shizuoka P.O.	〃	12 31	3 51	1728	1581	27	8	−7	12	−4128	75336	〃
〃	〃	〃	I 20	9 32		4853	4440	〃	〃	−6				31
〃	1292	127	〃	10 15	4 34	4876	4462	19	6	−6	14	−4110	75354	〃
〃	1293	126	〃	10 34	4 53	4033	3690	45	14	−7	15	−4876	74588	〃
〃	1294	125	〃	10 50	5 09	4060	3715	41	13	−7	16	−4853	74611	〃
〃	1295	124	〃	11 06	5 25	3791	3469	68	21	−7	17	−5092	74372	〃
〃	1296	J. $70._1$	〃	11 17	5 36	3548	3246	54	17	−7	17	−5319	74145	〃
〃	〃	〃	〃	14 24		5896	5395	53	16	−1				〃
〃	1302	$69._1$	〃	15 24	6 36	5217	4774	56	17	2	20	−5939	73525	〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

** Weather Station, at the Foot of the Silver Pyrheliometer.

〃	1303	68.1	〃	15 38	6 50	5561	5088	62	19	5	21	−5621	73843	〃
〃	1304	67.1	〃	15 51	7 03	5795	5302	55	17	5	22	−5410	74054	〃
〃	1305	66.1	〃	16 06	7 18	5470	5005	63	19	5	23	−5706	73758	〃
〃	1306	65.1	〃	16 26	7 38	6518	5964	54	17	5	24	−4750	74714	〃
〃	〃	〃	〃	16 29		3308	3027	〃	〃	5				〃
〃	1307	64.1	〃	16 45	7 54	4517	4133	56	17	8	24	−3641	75823	〃
〃	1308	63.1	〃	17 00	8 09	4883	4468	61	19	8	25	−3305	76159	〃
〃	1309	62.1	〃	17 15	8 24	5472	5007	56	17	8	26	−2769	76695	〃
〃	1310	61.1	〃	17 27	8 36	6290	5755	61	19	8	27	−2020	77444	〃
〃	1311	60.1	〃	17 43	8 52	7564	6921	22	7	9	28	− 866	78598	〃
〃	〃	〃	〃	17 47		2819	2579	〃	〃	9				〃
〃	1312	59	〃	18 20	9 25	4011	3670	54	17	9	29	234	79698	〃
〃	1313	58.1	〃	18 34	9 39	3754	3435	63	19	9	30	0	79464	〃

Route 28_6 B.M. $58._1$—**Shi 16**—B.M. $58._1$.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	−0.18 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
21	1313	58.1	I 21	9 30	0 00	3863	3535	61	19	−7	0	0	79464	32
〃	1314	**Hô 2**	〃	9 54	24	2005	1835	57	18	−7	0	− 1701	77763	〃
〃	1315	**Hô 4**	〃	10 08	38	0440	0403	56	17	−7	0	− 3134	76330	〃
〃	〃	〃	〃	10 12		7415	6785	〃	〃	−7				〃
〃	1316	**Shi 6**	〃	10 35	1 01	5231	4786	47	15	−7	0	− 5135	74329	〃
〃	1317	**Hô 8**	〃	10 52	1 18	2626	2403	52	16	−7	0	− 7517	71947	〃
〃	1318	**Hô 10**	〃	11 11	1 37	0304	0278	63	19	−7	0	− 9639	69825	〃
〃	〃	〃	〃	11 14		6202	5675	〃	〃	−7				〃
〃	1319	△*	〃	11 39	2 02	3663	3352	48	15	−5	0	−11964	67500	〃
〃	〃	〃	〃	11 43		7473	6838	〃	〃	−5				〃

* Third order triangulation.

B.M. printed in Gothic type are 2nd order bench marks.

Table IX. (Continued)

Pref.	No.	B.M.	Date 1952	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$-0.18 \times \Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
21	1320	**Shi 16**	I 21	12 07	2 26	2743	2510	43	13	−5	0	−16294	63170	32
〃	〃	〃	〃	12 10		7535	6895	〃	〃	−5				〃
18	1321		〃	12 41	2 57	2160	1976	27	8	−6	−1	−21218	58246	〃
21	1320	**Shi 16**	〃	12 59	3 15	7535	6895	48	15	−6	−1	−16292	63172	〃
〃	〃	〃	〃	13 03		0326	0298	〃	〃	−6				〃
〃		Gotemba *	〃	13 29	3 41	6903	6316	27	8	−6	−1	−10281	69183	〃
〃		〃	〃	13 33		0101	0092	〃	〃	−4				〃
〃	1316	**Shi 6**	〃	14 44	4 52	5716	5230	47	15	−1	−1	− 5133	74331	〃
〃	〃	〃	〃	14 47		0518	0474	〃	〃	−1				〃
〃	1313	58.1	〃	15 30	5 35	6118	5598	64	20	3	−1	0	79464	〃

* Concrete Floor at the Entrance to the Gotemba Kôeisho.
B.M. printed in Gothic type are 2nd order bench marks.

Route 28_7 B.M. $58._1$—B.M. J. 52—Rendaiji—Toi—B.M. $58._1$.

Pref.	No.	B.M.	Date 1952	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$3.11 \times \Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
21	1313	58.1	I 21	15 30	0 00	6118	5598	64	20	3	0	0	79464	32
〃	1322	Mishima W.S.*	〃	15 46	16	6691	6122	27	8	3	1	511	79975	〃
〃	1323	〃 **	〃	15 50	20	6724	6152	〃	〃	3	1	541	80005	〃
〃	1324	57.1	〃	16 12	42	7528	6888	49	15	3	2	1283	80747	〃
〃	1325	56.1	〃	16 27	57	5492	5025	70	22	3	3	− 574	78890	〃
〃	1326	55.1	〃	16 44	1 14	0808	0739	56	17	7	4	− 4862	74602	〃
〃	〃	〃	〃	16 46		7523	6884	〃	〃	7				〃
〃	1327	54	〃	17 12	1 40	1216	1113	43	13	7	5	−10638	68826	〃
〃	1328	53.1	〃	17 25	1 53	6685	6117	59	18	7	6	− 5630	73834	〃
〃	〃	〃	〃	18 08		0052	0048	63	19	7				〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.
** Weather Station, on the Block in the Observation Field.

〃	1329		52.1		〃	18 22	2 07	6496	5944	50	15	7	7	261	79725	〃
〃	〃		〃		〃	18 25		1322	1210	〃	〃	7				〃
〃	1330		J. 52		〃	18 41	2 23	3265	2987	91	28	11	7	2055	81519	〃
〃	〃		〃	I	22	10 19		3347	3063	80	25	−6				〃
〃	1333		9328		〃	11 00	3 04	3911	3579	94	29	−7	10	2571	82035	〃
〃	1334		9331		〃	11 34	3 38	2590	2370	60	19	−7	11	1351	80815	〃
〃	1335		9333		〃	11 56	4 00	4055	3710	78	24	−7	12	2695	82159	〃
〃	1336		9335		〃	12 09	4 13	3734	3417	85	26	−7	13	2403	81867	〃
〃	1337		9337		〃	13 26	5 30	0540	0494	50	15	−6	17	− 534	78930	〃
〃	〃		〃		〃	13 29		3130	2864	〃	〃	−6				〃
〃	1338		9339		〃	14 00	6 01	0371	0339	61	19	−3	19	−3054	76410	〃
〃	1339		9341		〃	14 29	6 30	4030	3687	67	21	−3	20	295	79759	〃
〃	1340		9344		〃	15 21	7 22	5608	5131	56	17	0	23	1735	81199	〃
〃	1341		9347		〃	16 01	8 02	5823	5328	61	19	−1	25	1931	81395	〃
〃	1342		9350		〃	16 25	8 26	4751	4347	57	18	−1	26	948	80412	〃
〃	1343		9352		〃	16 43	8 44	5307	4856	82	25	4	27	1468	80932	〃
〃	1344		9356		〃	17 26	9 27	4443	4065	19	6	4	30	655	80119	〃
〃	1345		9359		〃	18 06	10 07	5189	4748	18	6	8	31	1341	80805	〃
〃	Rendaiji				〃	18 58	10 59	5227	4783	27	8	12	34	1379	80843	〃
〃	〃			I	23	8 55		5314	4862	〃	〃	−4				〃
〃	1346		F. 34		〃	9 36	11 40	5033	4605	57	18	−5	36	1129	80593	〃
〃	1347		9363		〃	10 13	12 17	4875	4461	59	18	−5	38	983	80447	〃
〃	1348	Nagatsuro	W.S.*		〃	10 58	13 02	3040	2782	−73	−23	−6	40	− 740	78724	〃
〃	1349		9336		〃	12 07	14 11	4741	4338	48	15	−7	44	849	80313	〃
〃	1350		9368		〃	12 24	14 28	3610	3303	70	22	−7	45	− 180	79284	〃
〃	1351		9369		〃	12 38	14 42	2363	2162	72	22	−8	46	−1323	78141	〃
〃	1352		9373		〃	13 30	15 34	5354	4899	75	23	−8	49	1412	80876	〃
〃	1353		9374		〃	14 48	16 52	5510	5042	93	29	−4	53	1561	81025	〃
〃	1354		9377		〃	15 10	17 14	3155	2887	54	17	−4	54	− 607	78857	〃
〃	1355		9379		〃	15 32	17 36	4173	3818	43	13	0	55	323	79787	〃
〃	1356		9381		〃	15 51	17 55	5575	5101	36	11	0	56	1603	81067	〃
〃	1357		9384		〃	16 11	18 15	1793	1641	61	19	0	57	−1850	77614	〃
〃	1358		9386		〃	16 28	18 32	4388	4015	52	16	0	58	520	79984	〃
〃	1359		9388		〃	16 44	18 48	4389	4016	54	17	0	59	521	79985	〃
〃	Toi				〃	16 59	19 03	4668	4271	27	8	0	59	767	80231	〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Table IX. (Continued)

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$3.11\times\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
21	Toi		I 24	8 27		4752	4348	27	8	−5				32
〃	1359	9388	〃	8 44	19 20	4475	4095	51	16	−4	60	522	79986	33
〃	1360	9390	〃	10 14	20 50	1997	1827	68	21	−4	65	−1746	77718	〃
〃	〃	〃	〃	10 18		4012	3671	〃	〃	−4				〃
〃	1361	9391	〃	11 46	22 18	1087	0995	27	8	−6	69	−4441	75023	〃
〃	1362	9392	〃	12 17	22 49	6182	5657	55	17	−6	71	228	79692	〃
〃	1363	9393	〃	13 35	24 07	1820	1665	59	18	−8	75	−3769	75695	〃
〃	〃	〃	〃	13 38		7489	6852	〃	〃	−8				〃
〃	R.1		〃	15 26	25 55	3278	2999	—	—	−7	81	−7645	71819	〃
〃	R.2		〃	16 03	26 32	6548	5991	—	—	−8	82	−4655	74809	〃
〃	〃		〃	16 06		1021	0934	—	—	−8				〃
〃	1364	9397	〃	17 02	27 28	6334	5796	50	15	−5	86	221	79685	〃
〃	〃	〃	〃	17 04		4049	3705	〃	〃	−5				〃
〃	1365	9398	〃	17 13	27 37	4277	3913	81	25	−5	86	439	79903	〃
〃	1366	9400	〃	17 33	27 57	5275	4827	49	15	1	87	1348	80812	〃
〃	1367	9402	〃	17 52	28 16	5475	5010	85	26	1	88	1541	81005	〃
〃	1368	9404	〃	18 16	28 40	5179	4739	72	22	1	89	1265	80729	〃
〃	1313	58.1	〃	21 26	31 50	3793	3471	60	19	17	99	0	79464	〃

Route 28_8 B.M. J. 52—B.M. 51—B.M. 50—B.M. J. 52.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	-4.44 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
21	1330	J. 52	I 22	9 25	0 00	3353	3068	76	23	−5	0	0	81519	32
〃	1331	51	〃	9 41	16	1774	1623	73	23	−6	−1	−1445	80074	〃
13	1332	50	〃	9 56	31	2880	2635	59	18	−6	−2	− 437	81082	〃
21	1330	J. 52	〃	10 19	54	3347	3063	80	25	−6	−4	0	81519	〃

Table X. Results along Route 33. (0.01 mgal.).

Route 33_1 B.M. 667—Prefecture Boundary (No. $4377._1$)—B.M. 667.

Pref.	No.	B.M.	Date 1953	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$8.18\times\sum\delta T$ Drift	Adjustment	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
19	4374	667	IX 5	13 37	0 00	5715	5229	62	19	0	0	0	0	68494	80
〃	4375	669	〃	14 02	25	6582	6023	53	16	0	3	17	771	69265	〃
〃	4376	671	〃	14 59	1 22	6315	5778	64	20	−4	11	11	524	69018	〃
20·19	$4377._1$	P.B.*	〃	15 20	1 43	7853	7185	—	—	−4	14	41	1878	70372	〃
〃	$4377._2$	〃	〃	15 22		7642	6992	—	—	−4					〃
〃	4378	〃	〃	15 27	1 48	7710	7055	27	8	−4	15	42	1947	70441	〃
19	4379	667	〃	16 55	3 16	5542	5071	62	19	−8	27	0	0	68494	〃

* Prefecture Boundary.

Route 33_2 B.M. 547—B.M. 545—B.M. 544—B.M. 595—B.M. 620—B.M. 5318—B.M. 667—B.M. 959—B.M. 620—B.M. 2874—B.M. 3672.

Pref.	No.	B.M.	Date 1953	Time	$\sum\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$7.06 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
19	4318	547	IX 3	12 27	0 00	2725	2493	56	17	3	0	0	64122	79
〃	4319	545	〃	12 38	11	4250	3889	55	17	0	1	1392	65514	〃
〃	4320	544	〃	12 49	22	4713	4312	66	20	0	3	1816	65938	〃
〃	4321	Karuizawa W.S.*	〃	13 09	42	3453	3159	69	21	0	5	662	64784	〃
〃	4322	550	〃	13 31	1 04	3728	3411	56	17	− 4	8	903	65025	〃
〃	4323	551	〃	13 43	1 16	5435	4973	61	19	− 4	9	2466	66588	〃
〃	$4324._1$	552	〃	13 53	1 26	6905	6318	39	12	− 4	10	3803	67925	〃
〃	$4324._2$	〃	〃	13 57		1592	1457	〃	〃	− 4				〃
〃	4325	554	〃	14 11	1 40	1601	1465	60	19	− 4	12	3816	67938	〃
〃	4326	556	〃	15 12	2 41	2080	1903	50	15	− 6	19	4241	68363	〃
〃	4327	558	〃	15 25	2 54	1467	1342	59	18	− 6	20	3682	67804	〃
〃	$4328._1$	560	〃	15 42	3 11	1033	0945	60	19	− 7	23	3282	67404	〃
〃	$4328._2$	〃	〃	15 44		7077	6475	〃	〃	− 7				〃
〃	4329	562	〃	15 58	3 25	5705	5220	61	19	− 7	24	2026	66148	〃
〃	4330	564	〃	16 14	3 41	3661	3350	61	19	− 7	26	154	64276	〃
〃	4331	567	〃	16 45	4 12	7564	6921	37	11	− 7	30	3713	67835	80
〃	4332	569	〃	17 03	4 30	4822	4412	64	20	− 7	32	1211	65333	〃
〃	$4333._1$	571	〃	17 16	4 43	0897	0821	59	18	− 7	33	− 2383	61739	〃
〃	$4333._2$	〃	〃	17 18		7750	7091	〃	〃	− 7				〃
〃	$4334._1$	573	〃	17 32	4 57	2438	2231	64	20	− 6	35	− 7242	56880	〃
〃	$4334._2$	〃	〃	17 37		7477	6841	〃	〃	− 6				〃
〃	$4335._1$	575	〃	17 53	5 13	1223	1119	68	21	− 6	37	−12965	51157	〃
〃	$4335._2$	〃	〃	17 55		0251	0230	〃	〃	− 6				〃
〃	$4336._1$	$577._1$	〃	18 27	5 45	5198	4756	49	15	− 6	41	− 8449	55673	〃
〃	$4336._2$	〃	〃	18 30		0433	0396	〃	〃	− 4				〃

* Weather Station Bench Mark.

〃	4337.1	579	〃	18 57	6 12	6414	5869	45	14	− 4	44	−2980	61142	〃
〃	4337.2	〃	〃	19 00		0075	0069	〃	〃	− 4				〃
〃	4338	J. 580	〃	19 16	6 28	1733	1586	42	13	− 4	46	−1466	62656	〃
〃	4339	582	〃	19 34	6 46	1715	1569	74	23	− 3	48	−1474	62648	〃
〃	4340	〃	IX 4	8 57		1796	1643	〃	〃	12				〃
〃	4341	584	〃	9 20	7 09	2181	1996	56	17	12	51	−1130	62992	〃
〃	4342	586	〃	9 35	7 24	1825	1670	46	14	12	52	−1460	62662	〃
〃	4343.1	588	〃	9 52	7 41	0697	0638	44	14	12	54	−2494	61628	〃
〃	4343.2	〃	〃	9 55		4758	4354	〃	〃	12				〃
〃	4344	590	〃	10 09	7 55	3235	2960	65	20	12	56	−3884	60238	〃
〃	4345	592	〃	10 23	8 09	1250	1144	56	17	12	58	−5705	58417	〃
〃	4346.1	595	〃	10 46	8 32	5132	4696	37	11	10	60	−2163	61959	〃
〃	4346.2	〃	〃	10 55		6665	6098	〃	〃	10				〃
〃	4347	582	〃	12 01	9 38	7445	6812	74	23	7	68	−1448	62674	〃
〃	4348	617	〃	12 33	10 10	5578	5104	40	12	2	72	−3176	60946	〃
〃	4349	620	〃	12 55	10 32	1930	1766	21	6	2	74	−6522	57600	〃
〃	4350	5358	〃	13 22	10 59	6637	6073	41	13	2	78	−2212	61910	〃
〃	4351.1	5356	〃	14 04	11 41	7452	6819	69	21	− 2	83	−1467	62655	〃
〃	4351.2	〃	〃	14 11		0376	0344	〃	〃	− 2				〃
〃	4352	5354	〃	14 37	12 07	0560	0512	42	13	− 6	85	−1313	62809	〃
〃	4353	5352	〃	14 55	12 25	1026	0939	53	16	− 6	88	− 886	63236	〃
〃	4354	5350	〃	15 10	12 40	1505	1377	60	19	− 6	90	− 447	63675	〃
〃	4355	5348	〃	15 26	12 56	2038	1865	55	17	− 6	91	38	64160	〃
〃	4356	5346	〃	15 41	13 11	1963	1796	71	22	− 8	93	− 30	64092	〃
〃	4357	〃	〃	17 29		1964	1797	〃	〃	− 8				〃
〃	4358	5244	〃	17 45	13 27	2008	1837	49	15	− 7	95	2	64124	〃
〃	4359	5342	〃	18 03	13 45	2208	2020	68	21	− 7	97	189	64311	〃
〃	4360	5340	〃	18 18	14 00	1785	1633	77	24	− 7	99	− 197	63925	〃
〃	4361.1	5338	〃	18 35	14 17	0755	0691	32	10	− 4	101	−1152	62970	〃
〃	4361.2	〃	〃	18 38		6232	5702	〃	〃	− 4				〃
〃	4362	5336	〃	18 54	14 33	6970	6378	57	18	− 4	103	− 470	63652	〃
〃	4363	5334	〃	19 45	15 24	6550	5993	61	19	− 2	109	− 858	63264	〃
〃	4364	5332	〃	20 05	15 44	4996	4571	58	18	− 2	111	−2283	61839	〃
〃	4365	5330	〃	20 20	15 59	6007	5496	47	15	− 2	113	−1363	62759	〃
〃	4366	5328	〃	21 00	16 39	6783	6206	58	18	− 1	118	− 654	63468	〃

Table X. (Continued)

Pref.	No.	B.M.	Date 1953	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$7.06\times\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
19	4367.1	5327	IX 4	21 12	16 51	7834	7168	67	21	− 1	119	310	64432	80
〃	4367.2	〃	〃	21 18		1137	1040	〃	〃	− 1				〃
〃	4368	5325	〃	21 38	17 11	1615	1478	39	12	0	121	738	64860	〃
〃	4369	5323	〃	21 56	17 29	3374	3087	40	12	0	124	2344	66466	〃
〃	4370	〃	IX 5	9 19		3460	3166	41	13	11				〃
〃	4371	5321	〃	9 36	17 46	6339	5800	59	18	13	126	4983	69105	〃
〃	4372	5319	〃	9 56	18 06	4241	3881	51	16	13	128	3060	67182	〃
〃	4373	5318	〃	10 10	18 20	1990	1821	65	20	13	129	1003	65125	〃
〃	4374	667	〃	13 37	21 47	5715	5229	62	19	0	154	4372	68494	〃
〃	4379	〃	〃	16 55		5542	5071	〃	〃	− 8				〃
〃	4380	665	〃	17 10	22 02	4148	3795	63	19	− 8	155	3095	67217	〃
〃	4381	663	〃	17 27	22 19	3892	3561	76	23	− 8	157	2863	66985	〃
〃	4382	661	〃	17 43	22 35	2701	2471	45	14	− 8	160	1761	65883	〃
〃	4383	659	〃	18 01	22 53	2821	2581	25	8	− 8	162	1863	65985	〃
〃	4384.1	656	〃	18 23	23 15	1622	1484	55	17	− 8	164	773	64895	〃
〃	4384.2	〃	〃	18 27		7395	6766	〃	〃	− 8				〃
〃	4385	654	〃	18 43	23 31	6200	5673	67	21	− 5	166	− 315	63807	〃
〃	4386	651	〃	19 07	23 55	4764	4359	46	14	− 5	169	−1639	62483	〃
〃	4387	649	〃	19 22	24 10	4322	3955	54	17	− 5	171	−2042	62080	〃
〃	4388	647	〃	19 36	24 24	4754	4350	70	22	− 2	172	−1640	62482	〃
〃	4389	〃	IX 6	9 19		4841	4430	69	21	10				〃
〃	4390	644	〃	9 45	24 50	2687	2459	60	19	12	175	−3614	60508	〃
〃	4391	641	〃	10 07	25 12	1689	1545	55	17	12	178	−4533	59589	〃
〃	4392.1	J. 639	〃	10 26	25 31	0941	0861	55	17	12	180	−5219	58903	〃
〃	4392.2	〃	〃	10 28		6158	5635	〃	〃	12				〃
〃	4393	956	〃	10 40	25 43	5585	5110	68	21	11	181	−5742	58380	81
〃	4394	958	〃	10 57	26 00	2598	2377	52	16	11	184	−8483	55639	〃
〃	4395.1		〃	11 47	26 50	0051	0047	—	—	9	189	−10836	53286	〃
〃	4395.2		〃	11 50		0534	0489	—	—	9				〃
〃	4396	959	〃	11 54	26 54	0439	0402	−4	−1	9	190	−10925	53197	〃

〃	4397.1	636	〃	13 43	28 43	6417	5872	63	19	− 1	203	−5458	58664	〃
〃	4397.2	〃	〃	13 49		0307	0281	〃	〃	− 1				〃
〃	4398	634	〃	14 03	28 57	1466	1341	61	19	− 1	205	−4400	59722	〃
〃	4399	632	〃	14 19	29 13	2239	2049	14	4	− 1	206	−3708	60414	〃
〃	4400	630	〃	14 35	29 29	3609	3302	41	13	− 5	208	−2452	61670	〃
〃	4401	J. 627	〃	15 02	29 56	5916	5413	58	18	− 5	211	− 339	63783	〃
〃	4402	625	〃	15 17	30 11	6612	6050	68	21	− 5	213	299	64421	〃
〃	4403	623	〃	15 40	30 34	5237	4792	69	21	− 6	216	− 963	63159	〃
〃	4404.1	621	〃	15 55	30 49	1104	1010	56	17	− 6	217	−4750	59372	〃
〃	4404.2	〃	〃	15 57		2630	2406	〃	〃	− 6				〃
〃	4405	620	〃	16 08	31 00	0688	0630	62	19	− 6	219	−6526	57596	〃
〃	4406.1	623	〃	16 27	31 19	6773	6197	68	21	− 6	221	− 959	63163	〃
〃	4406.2	623	〃	16 33		0161	0147	68	21	− 8				〃
〃	4407	2868	〃	16 53	31 39	1899	1738	56	17	− 8	224	625	64747	〃
〃	4408	2870	〃	17 05	31 51	2364	2163	67	21	− 8	225	1053	65175	〃
〃	4409	2872	〃	17 18	32 04	3309	3028	61	19	− 8	227	1914	66036	〃
〃	4410	2874	〃	17 36	32 22	4071	3725	47	15	− 8	229	2605	66727	〃
〃	4435	〃	IX 7	21 15		3493	3196	49	15	2				〃
〃	4436	3701	〃	21 30	32 37	3607	3300	59	18	5	230	2714	66836	〃
〃	4437	〃	IX 8	9 05		3694	3380	57	18	3				〃
〃	4438	3699	〃	9 21	32 53	2145	1963	60	19	3	232	1296	65418	〃
〃	4439	3696	〃	9 42	33 14	2242	2051	77	24	3	234	1387	65509	〃
〃	4440	3693	〃	10 00	33 32	4449	4071	55	17	3	237	3397	67519	〃
〃	4441.1	3690	〃	10 15	33 47	4380	4008	44	14	3	239	3329	67451	〃
〃	4441.2	〃	〃	10 22		6145	5623	〃	〃	3				〃
〃	4442	3687	〃	10 45	34 10	2603	2382	51	16	3	241	88	64210	〃
〃	4443.1	3683	〃	11 10	34 35	4615	4223	42	13	10	244	1930	66052	〃
〃	4443.2	〃	〃	11 13		0113	0103	〃	〃	10				〃
〃	4444	3681	〃	11 27	34 49	3881	3551	56	17	10	246	5380	69502	〃
〃	4445.1	3679	〃	11 43	35 05	6912	6324	49	15	10	248	8149	72271	〃
〃	4445.2	〃	〃	11 45		0145	0133	〃	〃	10				〃
〃	4446	3677	〃	12 00	35 20	2049	1875	41	13	10	249	9888	74010	〃
〃	4447	3675	〃	12 10	35 30	3094	2831	41	13	10	251	10842	74964	〃
〃	4448	3673	〃	12 21	35 41	2985	2731	66	20	10	252	10748	74870	〃
〃	4449	3672	〃	12 37	35 57	2895	2648	59	18	8	254	10659	74781	〃

Route 33_3 B.M. 2874—B.M. 2915—B.M. 2874.

Pref.	No.	B.M.	Date 1953	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$9.26\times\sum\delta T$ Drift	Adjustment	$\sim$ $\sum\delta g$	g	Field Note No.
				h m	h m										
19	4411	2874	IX 7	8 57	0 00	4166	3812	53	16	7	0	0	0	66727	81
〃	4412	2876	〃	9 12	15	3707	3392	62	19	7	3	0	− 420	66307	〃
〃	4413	2878	〃	9 24	27	3885	3555	62	19	7	5	0	− 259	66468	〃
〃	4414	2880	〃	9 36	39	4467	4087	61	19	10	6	0	275	67002	〃
〃	4415	2883	〃	9 54	57	4891	4475	55	17	10	9	0	658	67385	〃
〃	4416	2885	〃	10 10	1 13	4833	4422	55	17	10	11	0	603	67330	〃
〃	4417	2887	〃	10 26	1 29	4645	4250	57	18	10	14	0	429	67156	〃
〃	4418	2889	〃	10 40	1 43	4409	4034	53	16	11	16	0	210	66937	〃
〃	4419	2891	〃	11 01	2 04	4085	3738	64	20	11	19	0	− 85	66642	〃
〃	4420	2893	〃	11 54	2 57	3934	3600	48	15	10	28	0	− 238	66489	〃
〃	4421	2895	〃	13 38	4 41	4592	4202	62	19	2	44	0	344	67071	〃
〃	4422	2897	〃	13 55	4 58	5037	4609	66	20	2	46	0	750	67477	〃
〃	4423	2899	〃	14 16	5 19	5758	5269	62	19	2	49	0	1406	68133	〃
〃	$4424._1$		〃	14 40	5 43	7840	7174	—	—	− 3	53	1	3282	70009	〃
〃	$4424._2$		〃	14 42		0210	0192	—	—	− 3					〃
〃	4425	2901	〃	14 51	5 52	0885	0810	54	17	− 3	55	1	3915	70642	〃
〃	4426	2903	〃	15 03	6 04	1978	1810	54	17	− 3	56	2	4913	71640	〃
〃	4427	2905	〃	15 19	6 20	2622	2399	57	18	− 3	58	2	5501	72228	〃
〃	4428	2907	〃	15 35	6 36	5164	4725	51	16	− 7	61	3	7817	74544	〃
〃	$4429._1$	2909	〃	15 50	6 51	7796	7133	49	15	− 7	64	3	10221	76948	〃
〃	$4429._2$	〃	〃	15 53		0130	0119	〃	〃	− 7					〃
〃	4430	2911	〃	16 10	7 08	2367	2166	58	18	− 7	66	4	12268	78995	〃
〃	4431	2914	〃	17 19	8 17	6021	5509	50	15	− 8	77	5	15595	82322	〃
〃	4432	2915	〃	17 35	8 33	6278	5744	57	18	− 8	80	5	15830	82557	〃
〃	$4433._1$	2909	〃	18 32	9 30	0150	0137	46	14	− 6	88	3	10215	76942	〃
〃	$4433._2$	〃	〃	18 35		7817	7153	〃	〃	− 6					〃
〃	$4434._1$	2901	〃	19 16	10 11	0937	0857	46	14	− 6	94	1	3915	70642	〃
〃	$4434._2$	〃	〃	19 20		7763	7103	〃	〃	− 6					〃
〃	4435	2874	〃	21 15	12 06	3493	3196	49	15	2	112	0	0	66727	〃

Route 33_4 B.M. 547—B.M. 10823—B.M.L. 6—B.M. 10823—B.M.L. 6—B.M.K. 18—B.M.L. 6—(No. 4280)—(No. 4281)—B.M. 3665—B.M. 3672—B.M. 10824—B.M. 547.

Pref.	No.	B.M.	Date 1953	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	10.00 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
19	4255.$_2$	547	VIII 31	14 14	0 00	7504	6866	49	15	− 4	0	0	64122	78
〃	4256	S. 14*	〃	14 29	15	7174	6564	42	13	− 4	3	− 307	63815	〃
〃	4257.$_1$	S. 16*	〃	14 49	35	1893	1732	61	19	− 4	6	−5136	58986	〃
〃	4257.$_2$	〃	〃	14 53		7256	6639	〃	〃	− 5				〃
〃	4258	10823	〃	15 08	50	2045	1871	55	17	− 5	8	−9908	54214	〃
9	4259	S. 31*	〃	15 28	1 10	1982	1814	69	21	− 5	12	−9965	54157	〃
〃	4260	S. 35*	〃	15 45	1 27	4030	3687	62	19	− 5	15	−8097	56025	〃
〃	4261.$_1$	L. 1*	〃	15 56	1 38	6916	6328	53	16	− 5	16	−5460	58662	〃
〃	4261.$_2$	〃	〃	15 59		0751	0687	〃	〃	− 5				〃
〃	4262	L. 2*	〃	16 05	1 44	2199	2012	64	20	− 5	17	−4132	59990	〃
〃	4263	L. 3*	〃	16 21	2 00	2596	2375	49	15	− 5	20	−3777	60345	〃
〃	4264	L. 4*	〃	16 33	2 12	2926	2677	53	16	− 5	22	−3476	60646	〃
〃	4265	L. 5*	〃	16 47	2 26	4813	4404	51	16	− 5	24	−1751	62371	〃
〃	4266	L. 6*	〃	16 56	2 35	6189	5663	56	17	− 5	26	− 493	63629	〃
〃	4267.$_1$	L. 2*	〃	17 44	3 23	2223	2034	62	19	− 5	34	−4128	59994	〃
〃	4267.$_2$	〃	〃	17 49		7518	6879	〃	〃	− 5				〃
〃	4268	S. 33*	〃	18 03	3 37	2492	2280	53	16	− 5	36	−8732	55390	〃
19	4269	10823	〃	18 17	3 51	1226	1122	59	18	− 5	39	−9891	54231	〃
〃	4270	〃	IX 1	9 33		1359	1243	55	17	3				〃
9	4271.$_1$	L. 2*	〃	10 00	4 18	7659	7008	60	19	3	43	−4128	59994	79
〃	4271.$_2$	〃	〃	10 04		3909	3577	〃	〃	3				〃
〃	4272	L. 6*	〃	12 32	6 46	7913	7240	55	17	− 3	68	− 498	63624	〃
〃	4273	L. 8*	〃	12 53	7 07	4659	4263	48	15	− 3	71	−3480	60642	〃
〃	4274	L. 9*	〃	13 09	7 23	2955	2704	57	18	− 3	74	−5039	59083	〃
〃	4275.$_1$	L. 10*	〃	13 28	7 42	0737	0674	35	11	− 3	77	−7079	57043	〃

* Earthquake Research Institute Bench Marks.

Table X. (Continued)

Pref.	No.	B.M.	Date 1953	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	10.00 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
9	4275.$_2$	L. 10*	IX 1	13 31		7807	7143	35	11	− 4				79
〃	4276	L. 11*	〃	13 45	7 56	5692	5208	53	16	− 4	79	− 9011	55111	〃
〃	4277	K. 18*	〃	14 30	8 41	1768	1618	27	8	− 5	87	−12618	51504	〃
〃	4278.$_1$	L. 10*	〃	15 16	9 27	7826	7161	35	11	− 5	95	− 7080	57042	〃
〃	4278.$_2$	〃	〃	15 20		0056	0051	〃	〃	− 5				〃
〃	4279.$_1$	L. 6*	〃	15 57	10 04	7252	6636	56	17	− 5	101	− 495	63627	〃
〃	4279.$_2$	〃	〃	16 00		0472	0432	〃	〃	− 5				〃
19	4280.$_1$	**	〃	17 19	11 23	5772	5281	—	—	− 6	114	4323	68445	〃
〃	4280.$_2$	〃	〃	17 21		0068	0062	—	—	− 6				〃
〃	4281.$_1$	***	〃	17 49	11 51	5384	4926	—	—	− 5	119	9183	73305	〃
〃	4281.$_2$	〃	〃	17 51		0472	0432	—	—	− 5				〃
〃	4282	3665	〃	18 52	12 52	5851	5354	64	20	− 4	129	14116	78238	〃
〃	4308	〃	IX 3	8 36		5411	4951	68	21	11				〃
〃	4309	3667	〃	8 49	13 05	4680	4282	59	18	11	131	13442	77564	〃
〃	4310	3669	〃	9 02	13 18	3388	3100	49	15	11	133	12255	76377	〃
〃	4311	3671	〃	9 15	13 31	2265	2072	48	15	11	135	11225	75347	〃
〃	4312	3672	〃	9 25	13 41	1645	1505	57	18	11	137	10659	74781	〃
〃	4313.$_1$	****	〃	10 10	14 26	0212	0194	—	—	10	144	9322	73444	〃
〃	4313.$_2$	〃	〃	10 15		7552	6910	—	—	10				〃
〃	4314.$_1$	10824	〃	11 10	15 21	0740	0677	54	17	7	154	3093	67215	〃
〃	4314.$_2$	〃	〃	11 14		6087	5570	〃	〃	7				〃
〃	4315	10825	〃	11 25	15 32	5923	5420	51	16	7	155	2941	67063	〃
〃	4316	10827	〃	11 43	15 50	5408	4948	63	19	3	158	2465	66587	〃
〃	4317	549	〃	12 11	16 18	1862	1704	52	16	3	163	− 787	63335	〃
〃	4318	547	〃	12 27	16 34	2725	2493	56	17	3	166	0	64122	〃

* Earthquake Research Institute Bench Marks.

** Height Mark, near Yunotaira Bridge.

*** Height Mark.

**** Front of the Kamikawa Village Office.

Route 33_5 B.M. 10823—B.M. 10824.

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$6.75\times\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
19	2136.$_2$	10823	VIII 11	7 41	0 00	7397	6768	56	17	−2	0	0	54214	50
〃	2137.$_1$	K. 1*	〃	8 25	44	3404	3115	60	19	−2	5	−3656	50558	〃
〃	2137.$_2$	〃	〃	8 31		7559	6916	〃	〃	−3				〃
〃	2138.$_1$	K. 2*	〃	9 05	1 18	1043	0954	50	15	−3	9	−9626	44588	〃
〃	2138.$_2$	〃	〃	9 10		7710	7055	〃	〃	−3				〃
〃	2139.$_1$		〃	10 14	2 22	0161	0147	—	—	−3	16	−16556	37658	〃
〃	2139.$_2$		〃	10 17		7760	7100	—	—	−3				〃
〃	2140	K. 3*	〃	10 29	2 34	6159	5535	73	23	−3	18	−18000	36214	〃
〃	2141.$_1$		〃	11 07	3 12	0514	0470	—	—	−2	22	−23191	31023	〃
〃	2141.$_2$		〃	11 11		7705	7050	—	—	−2				〃
〃	2142	**	〃	12 19	4 20	2275	2082	—	—	−1	29	−28165	26049	〃
〃	2143.$_1$		〃	13 24	5 25	7205	6593	—	—	−1	36	−23661	30553	〃
〃	2143.$_2$		〃	13 26		0148	0135	—	—	−1				〃
〃	2144.$_1$	K. 9*	〃	13 54	5 53	7032	6434	90	28	0	40	−17337	36877	〃
〃	2144.$_2$	〃	〃	14 00		0083	0076	〃	〃	0				〃
〃	2145	K. 13*	〃	14 17	6 10	3346	3062	60	19	0	42	−14362	39852	〃
〃	2146	S. 18*	〃	14 47	6 40	5789	5297	54	17	0	45	−12132	42082	〃
〃	2147	K. 12*	〃	16 41	8 34	4111	3762	45	14	−1	58	−13584	40530	〃
〃	2148	S. 18*	〃	17 35	9 28	5820	5325	51	16	−4	64	−12128	42086	〃
〃	2149	〃	VIII 12	6 53		5949	5443	49	15	6				〃
〃	2150.$_1$		〃	7 51	10 26	7936	7261	—	—	3	70	−10334	43880	〃
〃	2150.$_2$		〃	7 54		0107	0098	—	—	3				〃
〃	2151.$_1$	K. 10*	〃	8 20	10 52	4390	4017	71	22	3	74	− 6397	47817	〃
〃	2151.$_2$	〃	〃	8 22		0109	0100	〃	〃	3				〃
〃	2152.$_1$	K. 11*	〃	8 53	11 23	4803	4395	6	2	1	77	− 2127	52037	〃
〃	2152.$_2$	〃	〃	8 56		0167	0153	〃	〃	1				〃
〃	2153.$_1$		〃	9 42	12 09	6110	5591	—	—	−1	82	3302	57516	〃
〃	2153.$_2$		〃	9 45		0132	0121	—	—	−1				〃
〃	2154	S. 20*	〃	10 10	12 34	2080	1903	−28	−9	−1	85	5072	59286	〃
〃	2155.$_1$	***	〃	11 49	14 13	5160	4721	27	8	−2	96	7895	62109	〃

* Earthquake Research Institute Bench Marks.
** Summit of Mt. Asama.
*** Entrance to the Komoro Ryôyôsho.

Table X. (Continued)

Pref.	No.	B.M.	Date 1952	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.75 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
19	2155.$_2$	*	VIII 12	11 54		0103	0097	27	8	−2				50
〃	2156.$_1$	10824	〃	12 46	15 05	5681	5198	61	19	−2	102	13001	67215	〃

* Entrance to the Komoro Ryôyôsho.

Route 33$_6$ B.M. 3665—B.M. 3620—B.M. 3665.

Pref.	No.	B.M.	Date 1953	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	3.06 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
19	4283	3665	IX 2	8 43	0 00	5911	5409	65	20	9	0	0	78238	79
〃	4284.$_1$	3659	〃	9 08	25	7036	6438	52	16	9	1	1024	79262	〃
〃	4284.$_2$	〃	〃	9 10		3925	3591	〃	〃	9				〃
〃	4285	Nagano W.S.*	〃	10 08	1 23	1633	1494	65	20	6	4	− 1075	77163	〃
〃	4286	3653	〃	10 33	1 48	2723	2492	71	22	3	6	− 80	78158	〃
〃	4287	3651	〃	10 57	2 12	3349	3064	50	15	3	7	484	78722	〃
〃	4288	3648	〃	11 21	2 36	4150	3797	46	14	3	8	1215	79453	〃
〃	4289	3646	〃	12 17	3 32	4773	4367	39	12	0	11	1777	80015	〃
〃	4290	3644	〃	12 29	3 44	5403	4944	70	22	0	11	2364	80602	〃
〃	4291	3642	〃	12 41	3 56	5217	4774	49	15	−2	12	2184	80422	〃
〃	4292	3640	〃	12 51	4 06	5016	4590	51	16	−2	13	2000	80238	〃
〃	4293	3638	〃	13 01	4 16	6964	6372	71	22	−2	13	3788	82026	〃
〃	4294	3636	〃	14 27	5 42	6599	6038	53	16	−5	17	3441	81679	〃
〃	4295	3634	〃	14 39	5 54	6645	6080	57	18	−6	18	3483	81721	〃
〃	4296.$_1$	3632	〃	14 52	6 07	7589	6944	67	21	−6	19	4349	82587	〃

* Weather Station Bench Mark.

〃	4296.$_2$		〃	〃	14 55		4182	3827	〃	〃	−6				〃
〃	4297		3630	〃	15 08	6 20	5749	5260	44	14	−6	19	5775	84013	〃
〃	4298		3628	〃	15 20	6 32	6394	5851	46	14	−6	20	6365	84603	〃
〃	4299		3626	〃	15 32	6 44	6705	6135	42	13	−6	21	6647	84885	〃
〃	4300		3624	〃	15 52	7 04	6191	5665	52	16	−6	22	6179	84417	〃
〃	4301		3622	〃	16 03	7 15	5574	5100	42	13	−6	22	5611	83849	〃
〃	4302.$_1$		3620	〃	16 15	7 27	6689	6120	48	15	−6	23	6632	84870	〃
〃	4302.$_2$		〃	〃	16 20		7711	7056	〃	〃	−6				〃
〃	4303		3655	〃	18 23	9 30	1444	1321	63	19	−5	29	896	79134	〃
〃	4304.$_1$		3657	〃	18 40	9 47	1210	1107	49	15	−5	30	677	78915	〃
〃	4304.$_2$		〃	〃	18 44		6082	5565	〃	〃	−5				〃
〃	4305		3661	〃	19 07	10 10	6621	6058	56	17	−5	31	1171	79409	〃
〃	4306		3663	〃	19 24	10 27	6325	5787	60	19	−5	32	901	79139	〃
〃	4307		3665	〃	19 42	10 45	5340	4886	63	19	−4	33	0	78238	〃

Table XI. Results along Route 35. (0.01 mgal.).

Route 35$_1$ B.M. 615—B.M. 595—B.M. 615.

Pref.	No.	B.M.	Date 1953	Time	$\Sigma\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$2.65 \times \Sigma\delta T$ Drift	Adjustment	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m										
18	3769	615	V 8	9 54	0 00	4643	4248	73	23	1	0	0	0	71894	71
〃	3770	613	〃	10 05	11	3636	3327	68	21	1	1	−3	− 921	70973	〃
〃	3771	611	〃	10 24	30	2917	2669	66	20	1	1	−4	−1579	70315	〃
〃	3772	609	〃	10 42	48	2189	2003	62	19	2	2	−6	−2244	69650	〃
〃	3773	607	〃	10 52	58	1206	1103	56	17	2	3	−9	−3144	68750	72
〃	3774.$_1$	605	〃	11 02	1 08	0223	0204	26	8	2	3	−11	−4050	67844	〃
〃	3774.$_2$	〃	〃	11 06		7583	6938	〃	〃	2					〃
〃	3775	603	〃	11 15	1 17	6505	5952	66	20	2	3	−14	−5021	66873	〃
〃	3776	601	〃	11 25	1 27	5582	5108	46	14	2	4	−17	−5869	66025	〃
〃	3777	599	〃	11 33	1 35	3645	3335	45	14	−1	4	−22	−7640	64254	〃
〃	3778	597	〃	11 46	1 48	2700	2471	38	12	−1	5	−24	−8505	63389	〃
19	3779	595	〃	12 04	2 06	1132	1036	45	14	−1	6	−28	−9935	61959	〃
18	3780.$_1$	605	〃	12 41	2 43	7586	6941	29	9	−3	7	−11	−4055	67839	〃
〃	3780.$_2$	〃	〃	12 45		0720	0659	〃	〃	−3					〃
〃	3781.$_1$	615	〃	13 25	3 23	5152	4714	72	22	−3	9	0	0	71894	〃

Route 35_2 B.M. 615—Prefecture Boundary (No. 4662)—B.M. 615.

Pref.	No.	B.M.	Date 1953	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	3.49 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
18	$4644._2$	615	X 22	13 30	0 00	4302	3936	74	23	− 5	0	0	71894	84
〃	4645	Kôfu W.S.*	〃	13 57	27	4368	3997	68	21	− 5	2	57	71951	〃
〃	4646	$91._1$	〃	14 27	57	3044	2785	61	19	− 5	3	−1158	70736	〃
〃	4647	$90._1$	〃	14 47	1 17	2195	2008	61	19	− 9	5	−1941	69953	〃
〃	4648	$89._1$	〃	15 02	1 32	2126	1945	100	31	− 9	5	−1992	69902	〃
〃	4649	$88._1$	〃	15 16	1 46	1584	1449	87	27	− 9	6	−2493	69401	〃
〃	4650	$87._1$	〃	15 38	2 08	1859	1701	54	17	−11	7	−2254	69640	〃
〃	4651	$86._1$	〃	15 54	2 24	2042	1868	68	21	−11	8	−2084	69810	〃
〃	4652	$85._1$	〃	16 06	2 36	2264	2072	71	22	−11	9	−1880	70014	〃
〃	4653	$84._1$	〃	16 21	2 51	1988	1819	71	22	−11	10	−2134	69760	〃
〃	4654	83	〃	17 00	3 30	2109	1930	72	22	−10	12	−2024	69870	〃
〃	4655	$82._1$	〃	17 14	3 44	3226	2952	61	19	−10	13	−1006	70888	〃
〃	4656	〃	X 23	8 51		3319	3037	62	19	− 4				〃
〃	4657	$81._1$	〃	9 21	4 14	2102	1923	33	10	− 4	15	−2131	69763	〃
〃	4658	80	〃	10 08	5 01	3307	3026	64	20	0	17	−1016	70878	〃
〃	4659	79	〃	10 54	5 47	2710	2480	65	20	3	20	−1562	70332	〃
〃	4660	$77._1$	〃	11 42	6 35	4652	4257	101	31	3	23	223	72117	〃
〃	4661	77	〃	11 51	6 44	5426	4965	40	12	3	23	912	72806	〃
〃	4662	P.B.**	〃	12 32	7 25	4243	3882	—	—	1	26	− 188	71706	〃
〃	4663	76	〃	12 43	7 36	4184	3828	75	23	1	27	− 220	71674	〃
〃	$4664._1$	615	〃	15 41	10 34	4447	4069	75	23	−10	37	0	71894	85

* Weather Station, at the Road Cross in the Observation Field.

** Prefecture Boundary.

Route 35_3 B.M. $105._9$—B.M. 615—B.M. $105._9$.

Pref.	No.	B.M.	Date 1953	Time	$\sum\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$6.10 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
13	3754	$105._9$	V 7	11 34	0 00	3003	2748	72	22	−3	0	0	77009	71
18	3755	$105._7$	〃	11 49	15	1695	1551	52	16	−3	2	−1205	75804	〃
〃	$3756._1$	$105._4$	〃	12 03	29	0992	0908	82	25	−3	3	−1840	75169	〃
〃	$3756._2$	〃	〃	12 06		7571	6927	〃	〃	−3				〃
〃	3757	105	〃	12 32	55	7533	6893	67	21	−2	5	−1879	75130	〃
〃	3758	104	〃	12 42	1 05	7010	6414	54	17	−2	7	−2364	74645	〃
〃	3759	103	〃	12 57	1 20	5689	5205	56	17	−2	8	−3574	73435	〃
〃	3760	$101._1$	〃	13 14	1 37	2936	2686	25	8	−2	10	−6104	70905	〃
〃	$3761._1$	$100._1$	〃	13 32	1 55	0811	0742	58	18	−1	12	−8039	68970	〃
〃	$3761._2$	〃	〃	13 35		7643	6993	〃	〃	−1				〃
〃	3762	$99._1$	〃	13 51	2 11	3947	3612	37	11	−1	13	−11428	65581	〃
〃	$3763._1$	$97._1$	〃	14 47	3 07	6511	5958	50	15	1	19	−9082	67927	〃
〃	$3763._2$	〃	〃	14 49		0223	0204	〃	〃	1				〃
〃	3764	$96._1$	〃	15 06	3 24	3615	3308	66	20	1	21	−5975	71034	〃
〃	3765	$95._1$	〃	16 00	4 18	5615	5138	62	19	−3	26	−4149	72860	〃
〃	3766	94	〃	16 20	4 38	4912	4494	74	23	3	28	−4791	72218	〃
〃	3767	93	〃	16 38	4 56	4895	4479	74	23	5	30	−4806	72203	〃
〃	3768	615	〃	16 56	5 14	4560	4172	73	23	5	32	−5115	71894	〃
〃	$3781._2$	〃	V 8	13 28		0445	0407	72	22	−3				72
13	$3782._1$	$105._9$	〃	16 25	8 11	6056	5541	64	20	−2	50	0	77009	〃

(14) Niigata Prefecture.

Table XII. Synoptic Results for Niigata Prefecture (I).

B.M.	No.	φ	λ	H (m)	Date 1952	g 980.	g_0 980.	g_0'' 980.	HELMERT Formula of 1901 γ_0 980.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 980.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		38° ′	139° ′											
6515	2606	31.3	32.6	9.25	X 10	10365	1065	1055	0349	71.6	70.6	0498	56.7	55.7
6512	2605	29.1	31.6	8.07	〃	10294	1054	1045	0317	73.7	72.8	0466	58.8	57.9
6509	2604	27.6	34.6	68.39	〃	08362	1047	0971	0295	75.2	67.6	0444	60.3	52.7
6507	2603	25.8	35.5	126.79	〃	06336	1025	0883	0269	75.6	61.4	0418	60.7	46.5
〃	2608	〃	〃	〃	〃	06344	1026	0884	〃	75.7	61.5	〃	60.8	46.6
6503	2602	23.4	34.3	260.88	〃	02783	1083	0792	0233	85.0	55.9	0383	70.0	40.9
〃	2609	〃	〃	〃	〃	02791	1084	0792	〃	85.1	55.9	〃	70.1	40.9
6500	2601	21.6	33.4	112.09	〃	05371	0883	0758	0207	67.6	55.1	0356	52.7	40.2
6498	2600	19.5	33.5	67.90	〃	05479	0757	0681	0176	58.1	50.5	0326	43.1	35.5
6496	2599	17.7	32.4	47.34	〃	04978	0644	0591	0150	49.4	44.1	0299	34.5	29.2
6494	2598	16.0	30.7	22.97	〃	05534	0624	0599	0125	49.9	47.4	0275	34.9	32.4
6492	2597	14.1	30.1	10.75	〃	05481	0581	0569	0097	48.4	47.2	0247	33.4	32.2
6490	2596	12.9	29.1	22.91	〃	05004	0571	0546	0079	49.2	46.7	0229	34.2	31.7
6488	2595	11.0	28.0	3.15	〃	04445	0454	0451	0052	40.2	39.9	0201	25.3	25.0
6486	2594	09.1	27.6	5.88	〃	03768	0395	0388	0024	37.1	36.4	0174	22.1	21.4
									979.					
6484	2593	07.0	27.1	10.41	〃	03198	0352	0340	9993	35.9	34.7	0143	20.9	19.7
6482	2592	05.0	26.5	37.00	〃	02363	0351	0309	9964	38.7	34.5	0114	23.7	19.5
6480	2591	03.4	25.3	30.47	〃	01971	0291	0257	9940	35.1	31.7	0091	20.0	16.6
6478	2590	01.9	23.6	11.26	〃	02010	0236	0223	9918	31.8	30.5	0069	16.7	15.4
		37°												
6475	2588	59.1	22.7	9.09	〃	04414	0470	0459	9878	59 2	58.1	0028	44.2	43.1
6473	2587	57.5	21.5	12.16	〃	03651	0403	0389	9854	54.9	53.5	0005	39.8	38.4
												979.		
J. 4410	2586	56.7	19.9	10.69	〃	02291	0262	0250	9842	42.0	40.8	9993	26.9	25.7
4413	2567	57.0	16.1	4.17	X 9	00208	0034	0029	9847	18.7	18.2	9997	3.7	3.2
						979.	979.	979.						
4416	2566	56.3	12.4	3.26	〃	99581	9968	9965	9837	13.1	12.8	9987	− 1.9	− 2.2
4418	2565	55.5	10.0	2.73	〃	99287	9937	9934	9825	11.2	10.9	9975	− 3.8	− 4.1

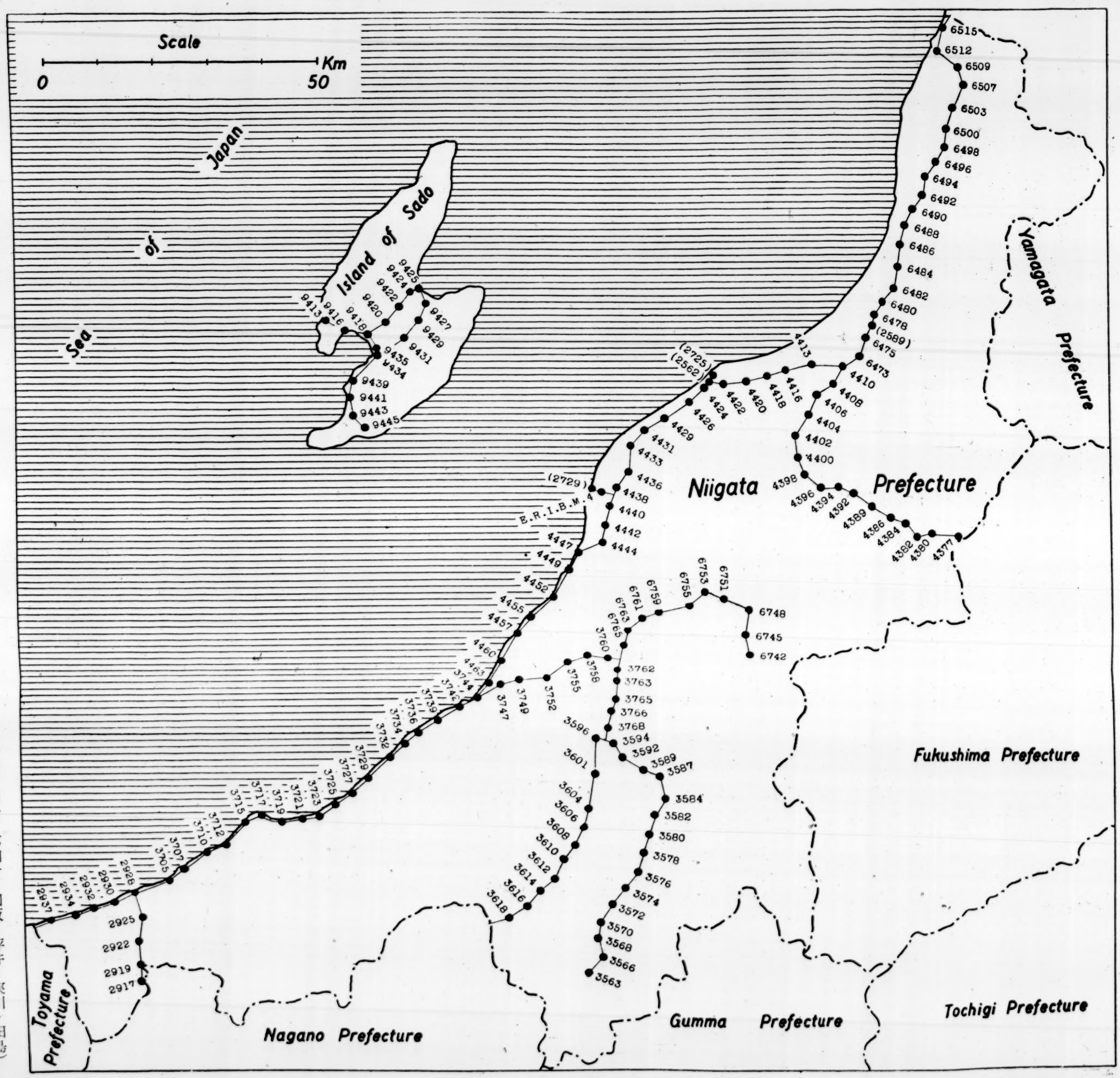

Fig. 8. Gravity Stations in Niigata Prefecture.

	4420	2564	55.1	06.9	1.81		〃	99139	9920	9918	9819	10.1	9.9	9970	− 5.0	− 5.2
	4422	2563	55.0	04.5	1.51		〃	99017	9906	9905	9818	8.8	8.7	9968	− 6.2	− 6.3
Niigata	W.S.*	2725	56.3	03.5	2.30	X	18	98856	9893	9890	9837	5.6	5.3	9987	− 9.4	− 9.7
	4424	2561	54.8	02.1	1.86	X	9	98888	9895	9892	9815	8.0	7.7	9965	− 7.0	− 7.3
	〃	2611	〃	〃	〃	X	10	98892	9895	9893	〃	8.0	7.8	〃	− 7.0	− 7.2
	4426	2726	53.3	00.3	1.85	X	18	98612	9867	9865	9793	7.4	7.2	9943	− 7.6	− 7.8
				138°												
	4429	2722	51.7	57.1	4.98	X	17	98800	9895	9890	9769	12.6	12.1	9920	− 2.5	− 3.0
	4431	2721	50.5	54.9	4.54		〃	99434	9957	9952	9752	20.5	20.0	9903	5.4	4.9
									980.	980.						
	4433	2720	48.8	53.2	13.35		〃	99770	0018	0003	9727	29.1	27.6	9878	14.0	12.5
									979.	979.						
	4436	2719	45.9	52.1	6.84		〃	99635	9985	9977	9685	30.0	29.2	9836	14.9	14.1
								980.	980.	980.						
	4438	2718	44.4	50.8	7.36		〃	01267	0149	0141	9663	48.6	47.8	9814	33.5	32.7
	4**	2727	44.0	49.2	88.45	X	18	01377	0411	0312	9657	75.4	65.5	9808	60.3	50.4
	〃	2730	〃	〃	〃		〃	01386	0412	0313	〃	75.5	65.6	〃	60.4	50.5
Maze	Obs.***	2729	44.2	48.1	4.44		〃	03495	0363	0358	9660	70.3	69.8	9811	55.2	54.7
	4440	2717	42.6	50.0	44.35	X	17	01875	0324	0275	9637	68.7	63.8	9788	53.6	48.7
	4442	2716	40.7	45.6	15.69		〃	01138	0162	0145	9609	55.3	53.6	9760	40.2	38.5
								979.	979.	979.						
	4444	2715	38.9	49.0	13.74		〃	99100	9952	9937	9583	36.9	35.4	9734	21.8	20.3
								980.	980.	980.						
	4447	2713	37.9	45.9	4.73		〃	02439	0259	0253	9568	69.1	68.5	9719	54.0	53.4
	4449	2712	36.0	45.0	5.21		〃	00477	0064	0058	9541	52.3	51.7	9692	37.2	36.6
								979.	979.	979.						
	4452	2711	33.2	42.9	3.66		〃	98788	9890	9886	9500	39.0	38.6	9651	23.9	23.5
									980.							
	4455	2710	31.0	39.5	6.07		〃	99863	0005	9998	9468	53.7	53.0	9619	38.6	37.9
									979.							
	4457	2709	29.3	38.2	5.17		〃	99059	9922	9916	9443	47.9	47.3	9594	32.8	32.2
	4460	2708	26.5	36.5	6.46		〃	97305	9750	9743	9402	34.8	34.1	9554	19.6	18.9
	4463	2707	23.5	34.1	5.88		〃	95777	9596	9589	9359	23.7	23.0	9510	8.6	7.9
	3744	2706	22.0	33.4	7.02		〃	96699	9692	9684	9337	35.5	34.7	9488	20.4	19.6

* Weather Station, on the Concrete Block, Called a Bench-mark.

** Earthquake Research Institute Bench Marks.

*** Observatory, on the Block for Calibration of the Potable Tiltmeter.

Table XII. (Continued)

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1952	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		37° ,	138°,											
3742	2732	21.2	31.4	13.59	X 18	97211	9763	9748	9325	43.8	42.3	9477	28.6	27.1
3739	2733	20.2	28.8	28.43	〃	96372	9725	9693	9310	41.5	38.3	9462	26.3	23.1
3736	2734	19.2	26.6	48.93	〃	95919	9743	9688	9296	44.7	39.2	9448	29.5	24.0
3734	2735	17.8	24.9	7.31	〃	96036	9626	9618	9276	35.0	34.2	9427	19.9	19.1
3732	2736	16.2	23.0	3.60	〃	95329	9544	9540	9253	29.1	28.7	9404	14.0	13.6
3729	2737	14.0	20.3	24.86	〃	95045	9581	9553	9221	36.0	33.2	9372	20.9	18.1
3727	2738	12.5	18.4	6.43	〃	95086	9528	9521	9199	32.9	32.2	9351	17.7	17.0
3725	2739	11.3	16.3	3.71	〃	94720	9483	9479	9182	30.1	29.7	9333	15.0	14.6
3723	2740	10.1	14.5	2.81	〃	94326	9441	9438	9164	27.7	27.4	9316	12.5	12.2
3721	2742	10.0	12.0	8.94	X 19	94122	9440	9430	9163	27.7	26.7	9315	12.5	11.5
3719	2743	09.5	09.6	11.46	〃	93165	9352	9339	9155	19.7	18.4	9307	4.5	3.2
3717	2744	10.0	07.2	16.56	〃	92803	9331	9313	9163	16.8	15.0	9315	1.6	− 0.2
3715	2745	09.3	05.2	5.45	〃	93083	9325	9319	9153	17.2	16.6	9304	2.1	1.5
3712	2746	07.1	02.5	5.79	〃	93334	9351	9345	9121	23.0	22.4	9273	7.8	7.2
3710	2747	06.5	00.3	4.14	〃	92554	9268	9264	9112	15.6	15.2	9264	0.4	0.0
			137°											
3707	2748	04.8	57.0	12.21	〃	91362	9174	9160	9087	8.7	7.3	9239	− 6.5	− 7.9
3705	2749	03.5	55.1	5.93	〃	91414	9160	9153	9068	9.2	8.5	9221	− 6.1	− 6.8
J. 2928	2750	02.5	51.3	8.85	〃	92573	9285	9275	9054	23.1	22.1	9206	7.9	6.9
2930	2751	01.5	48.9	3.97	〃	94772	9490	9485	9039	45.1	44.6	9192	29.8	29.3
2932	2752	00.9	46.4	34.60	〃	93641	9471	9432	9031	44.0	40.1	9183	28.8	24.9
2934	2753	00.0	44.1	15.10	〃	94712	9518	9501	9018	50.0	48.3	9170	34.8	33.1
		36°												
2937	2754	59.2	41.8	28.70	〃	94187	9507	9475	9006	50.1	46.9	9158	34.9	31.7

Synoptic Results for Niigata Prefecture (II).

B.M.	No.	φ	λ	H (m)	Date 1952	$\bar{g}$	g_0	g_0''	HELMERT Formula of 1901			International Formula		
									γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		37° ,	139°,											
4408	2569	54.7	18.3	9.96	X 9	01150	0146	0135	9813	33.3	32.2	9964	18.2	17.1
4406	2570	53.1	16.2	2.80	〃	00074	0016	0013	9790	22.6	22.3	9940	7.6	7.3
						979.	979.	979.						
4404	2571	51.1	14.6	6.13	〃	99417	9961	9954	9761	20.0	19.3	9911	5.0	4.3
4402	2572	49.4	13.4	7.88	〃	99058	9930	9921	9736	19.4	18.5	9887	4.3	3.4
4400	2573	47.4	13.7	13.37	〃	99156	9957	9942	9707	25.0	23.5	9857	10.0	8.5
							980.	980.						
4398	2574	45.5	14.9	17.51	〃	99874	0041	0022	9679	36.2	34.3	9830	21.1	19.2
						980.								
4396	2575	44.3	16.6	22.47	〃	01921	0261	0236	9662	59.9	57.4	9812	44.9	42.4
4394	2576	44.4	19.0	37.28	〃	01405	0256	0214	9663	59.3	55.1	9814	44.2	40.0
4392	2577	43.4	21.1	35.35	〃	01212	0230	0191	9648	58.2	54.3	9799	43.1	39.2
4389	2578	42.4	24.2	45.93	〃	01031	0245	0193	9634	61.1	55.9	9785	46.0	40.8
4386	2579	41.6	25.3	55.12	〃	00462	0216	0155	9622	59.4	53.3	9773	44.3	38.2
						979.		979.						
4384	2580	40.7	27.5	62.05	〃	98696	0061	9992	9609	45.2	38.3	9760	30.1	23.2
〃	2584	〃	〃	〃	〃	98698	0061	9992	〃	45.2	38.3	〃	30.1	23.2
4382	2581	39.2	29.5	82.83	〃	97744	0030	9937	9587	44.3	35.0	9738	29.2	19.9
4380	2582	39.7	31.7	198.29	〃	96944	0306	0084	9594	71.2	49.0	9745	56.1	33.9
4377	2583	39.3	34.6	272.28	〃	95302	0371	0066	9589	78.2	47.7	9740	63.1	32.6

Synoptic Results for Niigata Prefecture (III).

B.M.	No.	φ	λ	H (m)	Date 1952	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
						979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		37° ,	138°,											
3760	2700	26.5	49.6	23.11	X 17	96130	9684	9658	9402	28.2	25.6	9554	13.0	10.4
3758	2701	26.8	47.3	37.29	〃	95335	9649	9607	9407	24.2	20.0	9558	9.1	4.9
3755	2702	26.1	44.2	41.88	〃	94868	9616	9569	9397	21.9	17.2	9548	6.8	2.1
3752	2703	24.3	42.0	70.60	〃	94140	9632	9553	9370	26.2	18.3	9522	11.0	3.1
3749	2704	24.2	39.0	22.55	〃	95054	9575	9550	9369	20.6	18.1	9520	5.5	3.0
3747	2705	23.5	36.5	5.91	〃	95620	9580	9574	9359	22.1	21.5	9510	7.0	6.4

Synoptic Results for Niigata Prefecture (IV).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1952	979.	980.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		37° ′	139° ′											
6742	2697	27.0	07.5	406.58	X 17	89286	0183	9728	9410	77.3	31.8	9561	62.2	16.7
6745	2698	28.6	06.3	243.38	〃	93043	0055	9783	9433	62.2	35.0	9584	47.1	19.9
〃	2696	〃	〃	〃	〃	93037	0055	9783	〃	62.2	35.0	〃	47.1	19.9
6748	2695	31.8	07.1	108.30	〃	97004	0035	9913	9479	55.6	43.4	9631	40.4	28.2
							979.							
6751	2694	32.9	04.4	62.00	〃	96668	9858	9789	9495	36.3	29.4	9647	21.1	14.2
6753	2693	33.4	01.9	40.80	〃	96865	9812	9767	9503	30.9	26.4	9654	15.8	11.3
6755	2692	32.2	00.1	77.86	〃	95658	9806	9719	9485	32.1	23.4	9636	17.0	8.3
			138°											
6759	2691	31.5	56.0	32.04	〃	95491	9648	9612	9475	17.3	13.7	9626	2.2	− 1.4
6761	2688	30.5	54.2	18.89	X 16	95426	9601	9580	9461	14.0	11.9	9612	− 1.1	− 3.2
6763	2687	29.7	52.2	16.82	〃	95620	9614	9595	9449	16.5	14.6	9600	1.4	− 0.5
6765	2686	27.9	51.9	20.65	〃	95877	9651	9628	9423	22.8	20.5	9574	7.7	5.4
3762	2685	25.4	50.8	24.65	〃	96516	9728	9700	9386	34.2	31.4	9538	19.0	16.2
3763	2684	24.3	50.5	26.94	〃	96639	9747	9717	9370	37.7	34.7	9522	22.5	19.5
3766	2683	21.0	50.0	45.47	〃	94864	9627	9576	9322	30.5	25.4	9474	15.3	10.2
3768	2682	19.2	49.2	51.61	〃	93612	9521	9463	9296	22.5	16.7	9448	7.3	1.5
3594	2664	17.6	50.0	104.25	〃	92748	9597	9480	9273	32.4	20.7	9425	17.2	5.5
3592	2665	16.4	51.5	72.85	〃	93762	9601	9520	9256	34.5	26.4	9407	19.4	11.3
3589	2666	15.3	53.9	73.06	〃	92770	9503	9421	9240	26.3	18.1	9391	11.2	3.0
3587	2667	14.2	56.0	84.32	〃	92872	9547	9453	9224	32.3	22.9	9375	17.2	7.8
3584	2668	12.1	57.1	105.39	〃	93291	9654	9536	9193	46.1	34.3	9345	30.9	19.1
3582	2669	10.4	56.0	115.56	〃	93020	9659	9529	9168	49.1	36.1	9320	33.9	20.9
3580	2670	08.3	54.8	163.83	〃	91859	9692	9508	9138	55.4	37.0	9290	40.2	21.8
3578	2671	06.4	54.0	160.58	〃	91585	9654	9474	9110	54.4	36.4	9263	39.1	21.1
3576	2672	04.3	53.1	171.48	〃	90497	9579	9387	9080	49.9	30.7	9232	34.7	15.5
3574	2673	02.5	51.5	178.86	〃	90182	9570	9370	9054	51.6	31.6	9206	36.4	16.4

3572	2674	01.2	50.3	188.52	〃	89897	9572	9361	9035	53.7	32.6	9187	38.5	17.4
		36°												
3570	2675	59.5	48.9	229.66	〃	88103	9519	9262	9010	50.9	25.2	9163	35.6	9.9
〃	2680	〃	〃	〃	〃	88108	9520	9263	〃	51.0	25.3	〃	35.7	10.0
3568	2676	57.6	48.0	319.53	〃	85313	9517	9160	8983	53.4	17.7	9135	38.2	2.5
3566	2677	55.7	48.5	372.53	〃	83813	9531	9114	8955	57.6	15.9	9108	42.3	0.6
〃	2679	〃	〃	〃	〃	83815	9531	9114	〃	57.6	15.9	〃	42.3	0.6
3563	2678	54.0	46.9	607.78	〃	78956	9771	9091	8931	84.0	16.0	9083	68.8	0.8

Synoptic Results for Niigata Prefecture (V).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1952	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		37° ′	138°′											
3596	2663	18.1	48.0	61.34	X 16	92559	9445	9377	9280	16.5	9.7	9432	1.3	− 5.5
3601	2662	14.5	48.1	91.30	〃	91551	9437	9335	9228	20.9	10.7	9380	5.7	− 4.5
3604	2659	11.5	47.0	114.41	X 15	89881	9341	9213	9184	15.7	2.9	9336	0.5	−12.3
3606	2658	09.3	46.9	131.98	〃	88864	9294	9146	9153	14.1	− 0.7	9304	− 1.0	−15.8
3608	2657	07.3	45.6	169.72	〃	87551	9279	9089	9124	15.5	− 3.5	9276	0.3	−18.7
3610	2656	05.5	44.0	182.56	〃	86780	9241	9037	9097	14.4	− 6.0	9250	− 0.9	−21.3
3612	2655	03.7	42.8	206.43	〃	86258	9263	9032	9071	19.2	− 3.9	9224	3.9	−19.2
3614	2654	02.4	41.0	223.50	〃	86196	9309	9059	9052	25.7	0.7	9205	10.4	−14.6
3616	2653	00.7	39.4	241.72	〃	85386	9285	9014	9028	25.7	− 1.4	9180	10.5	−16.6
		36°												
3618	2652	59.7	37.4	246.06	〃	85010	9260	8985	9013	24.7	− 2.8	9166	9.4	−18.1

Synoptic Results for Niigata Prefecture (VI).

B.M.	No.	φ	λ	H (m)	Date 1952	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		37° ,	137°,											
2925	2757	00.0	52.4	50.51	X 19	92696	9426	9369	9018	40.8	35.1	9170	25.6	19.9
		36°												
2922	2758	56.9	51.7	108.64	〃	91247	9460	9338	8973	48.7	36.5	9125	33.5	21.3
〃	2763	〃	〃	〃	〃	91264	9462	9340	〃	48.9	36.7	〃	33.7	21.5
2919	2759	54.6	52.0	203.38	〃	87455	9373	9146	8940	43.3	20.6	9092	28.1	5.4
2917	2760	53.0	52.1	263.16	〃	86029	9415	9121	8916	49.9	20.5	9069	34.6	5.2
〃	2762	〃	〃	〃	〃	86041	9416	9122	〃	50.0	20.6	〃	34.7	5.3

Synoptic Results for Niigata Prefecture (VII).

B.M.	No.	φ	λ	H (m)	Date 1952	g 980.	g_0 980.	g_0'' 980.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 980.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		38° ,	138°,											
9413	2620	01.3	14.4	13.42	X 11	08769	0918	0903	9910	100.8	99.3	0060	85.8	84.3
9416	2619	00.3	17.5	2.60	〃	06964	0704	0702	9895	80.9	80.7	0045	65.9	65.7
		37°												
9435	2621	58.8	21.1	3.77	〃	06481	0660	0656	9873	78.7	78.3	0023	63.7	63.3
												979.		
9439	2623	55.5	18.4	78.80	〃	06281	0871	0783	9825	104.6	95.8	9975	89.6	80.8
9441	2625	53.7	17.7	9.07	〃	07784	0806	0796	9799	100.7	99.7	9949	85.7	84.7
9443	2624	52.3	18.3	139.31	〃	04994	0929	0773	9778	115.1	99.5	9929	100.0	84.4
9445	2626	51.0	19.0	16.99	〃	07428	0795	0776	9759	103.6	101.7	9910	88.5	86.6

Synoptic Results for Niigata Prefecture (VIII).

B.M.	No.	φ	λ	H (m)	Date 1952	g 980.	g_0 980.	g_0'' 980.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 980.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		38° ′	138°′											
9418	2618	00.1	19.7	6.77	X 11	06397	0661	0653	9892	76.9	76.1	0042	61.9	61.1
9420	2617	01.2	22.0	15.15	〃	06615	0708	0691	9908	80.0	78.3	0058	65.0	63.3
9422	2616	02.6	24.9	17.89	〃	06501	0705	0685	9929	77.6	75.6	0079	62.6	60.6
9424	2615	04.5	25.2	5.47	〃	06890	0706	0700	9956	75.0	74.4	0107	59.9	59.3
〃	2633	〃	〃	〃	X 12	06887	0706	0700	〃	75.0	74.4	〃	59.9	59.3
9425	2632	04.8	26.3	2.38	〃	06890	0696	0694	9961	73.5	73.3	0111	58.5	58.3
9427	2631	03.0	27.1	1.78	〃	07168	0722	0720	9935	78.7	78.5	0085	63.7	63.5
9429	2630	01.3	26.0	34.69	〃	06341	0741	0702	9910	83.1	79.2	0060	68.1	64.2
		37°												
9431	2629	59.7	24.1	13.03	〃	06055	0646	0631	9886	76.0	74.5	0037	60.9	59.4
9434	2622	58.0	21.1	7.76	X 11	06094	0633	0625	9861	77.2	76.4	0012	62.1	61.3

(15) Toyama Prefecture.

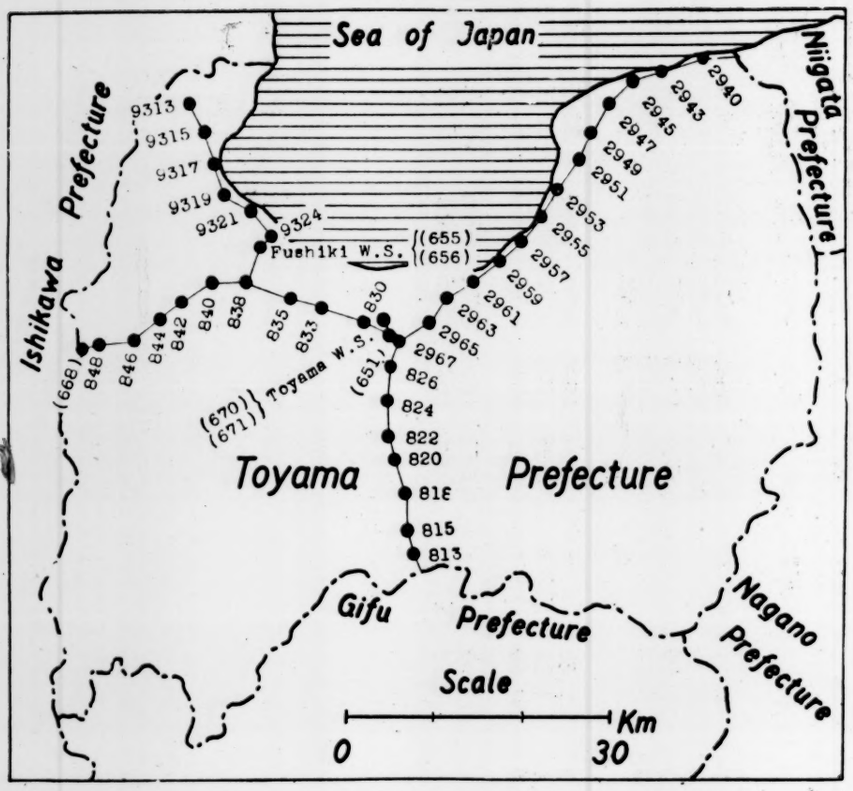

Fig. 9. Gravity Stations in Toyama Prefecture.

Table XIII. Synoptic Results for Toyama Prefecture (I).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		36° ,	137°,											
2940	641	58.4	37.2	8.04	X 27	92904	9315	9306	8995	32.0	31.1	9147	16.8	15.9
2943	640	57.2	33.7	11.04	〃	90935	9128	9115	8977	15.1	13.8	9130	− 0.2	− 1.5
〃	〃	〃	〃	〃	〃	90942	9128	9116	〃	15.1	13.9	〃	− 0.2	− 1.4
2945	639	56.7	31.3	14.94	〃	90519	9098	9081	8970	12.8	11.1	9122	− 2.4	− 4.1
2947	638	55.4	29.4	25.65	〃	89891	9068	9040	8951	11.7	8.9	9104	− 3.6	− 6.4
2949	637	53.6	28.0	29.12	〃	89300	9020	8987	8925	9.5	6.2	9078	− 5.8	− 9.1
2951	636	52.2	26.8	15.97	〃	89374	8987	8969	8905	8.2	6.4	9057	− 7.0	− 8.8
2953	635	50.4	25.5	17.38	〃	88587	8922	8903	8879	4.3	2.4	9031	−10.9	−12.8
2955	634	48.7	24.0	4.81	〃	88268	8842	8836	8854	− 1.2	− 1.8	9007	−16.5	−17.1
2957	642	47.2	22.4	12.10	〃	88046	8842	8828	8833	0.9	− 0.5	8985	−14.3	−15.7
2959	633	45.9	20.5	3.31	〃	88264	8837	8833	8814	2.3	1.9	8967	−13.0	−13.4
2961	632	45.0	18.5	2.99	〃	88390	8848	8845	8801	4.7	4.4	8954	−10.6	−10.9
2963	643	43.4	16.7	10.39	〃	87686	8801	8789	8778	2.3	1.1	8931	−13.0	−14.2
2965	631	41.9	15.5	14.74	〃	87394	8785	8768	8756	2.9	1.2	8909	−12.4	−14.1
2967	630	41.2	13.1	11.98	〃	87566	8794	8780	8746	4.8	3.4	8899	−10.5	−11.9
〃	〃	〃	〃	〃	〃	87575	8795	8781	〃	4.9	3.5	〃	−10.4	−11.8
Toyama W.S.*	670	42.4	12.3	8.60	X 28	88088	8835	8826	8763	7.2	6.3	8916	− 8.1	− 9.0
〃 **	671	〃	〃	8.80	〃	88067	8834	8824	〃	7.1	6.1	〃	− 8.2	− 9.2
830	652	42.3	10.7	21.31	〃	87972	8863	8839	8762	10.1	7.7	8915	− 5.2	− 7.6
833	653	42.9	07.3	3.91	〃	88492	8861	8857	8771	9.0	8.6	8923	− 6.2	− 6.6
835	669	43.3	04.8	5.61	〃	88588	8876	8870	8776	10.0	9.4	8929	− 5.3	− 5.9
838	662	44.5	01.3	13.06	〃	89342	8975	8969	8794	18.1	16.6	8946	2.9	1.4
			136°											
840	663	44.2	59.2	10.71	〃	89326	8966	8954	8789	17.7	16.5	8942	2.4	1.2
842	664	43.2	57.1	12.84	〃	89172	8957	8942	8775	18.2	16.7	8928	2.9	1.4
844	665	41.9	55.1	18.44	〃	88844	8941	8921	8756	18.5	16.5	8909	3.2	1.2
846	666	40.7	53.4	24.39	〃	88384	8914	8886	8739	17.5	14.7	8892	2.2	− 0.6
848	667	40.4	51.1	46.54	〃	88693	9013	8961	8735	27.8	22.6	8887	12.6	7.4

*Weather Station Bench Mark.
**Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Synoptic Results for Toyama Prefecture (II).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		36° ′	137°′											
826	644	39.6	12.8	18.70	X 27	87279	8786	8765	8723	6.3	4.2	8876	− 9.0	−11.1
824	645	37.5	12.6	35.38	〃	86507	8760	8720	8693	6.7	2.7	8846	− 8.6	−12.6
822	646	35.5	12.5	76.12	〃	84797	8715	8629	8664	5.1	− 3.5	8817	−10.2	−18.8
820	647	33.3	13.0	99.67	〃	84721	8780	8668	8632	14.8	3.6	8785	− 0.5	−11.7
〃	〃	〃	〃	〃	〃	84725	8780	8669	〃	14.8	3.7	〃	− 0.5	−11.6
818	648	31.6	14.0	141.28	〃	83551	8791	8633	8608	18.3	2.5	8761	3.0	−12.8
815	650	29.7	14.4	283.82	〃	79705	8846	8529	8580	26.6	− 5.1	8733	11.3	−20.4
813	649	28.2	14.4	201.36	〃	80345	8656	8431	8559	9.7	−12.8	8712	− 5.6	−28.1

Synoptic Results for Toyama Prefecture (III).

B.M.		No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
					(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
			36° ′	137°′											
Fushiki	W.S.*	655	47.2	03.2	13.40	X 28	90113	9053	9038	8833	22.0	20.5	8985	6.8	5.3
	〃 **	656	〃	〃		〃	90106			〃			〃		
	9324	654	46.7	02.6	5.83	〃	90100	9028	9022	8825	20.3	19.7	8978	5.0	4.4
	9321	657	48.8	02.5	4.97	〃	90985	9114	9108	8856	25.8	25.2	9008	10.6	10.0
	9319	658	49.7	00.0	3.83	〃	91460	9158	9154	8869	28.9	28.5	9021	13.7	13.3
				136°											
	9317	659	51.7	59.2	2.53	〃	92745	9282	9280	8898	38.4	38.2	9050	23.2	23.0
	9315	660	53.4	58.5	13.56	〃	94768	9519	9503	8922	59.7	58.1	9075	44.4	42.8
	9313	661	55.0	57.1	76.99	〃	94709	9709	9622	8945	76.4	67.7	9098	61.1	52.4

* Weather Station Bench Mark.

** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

(16) Ishikawa Prefecture.

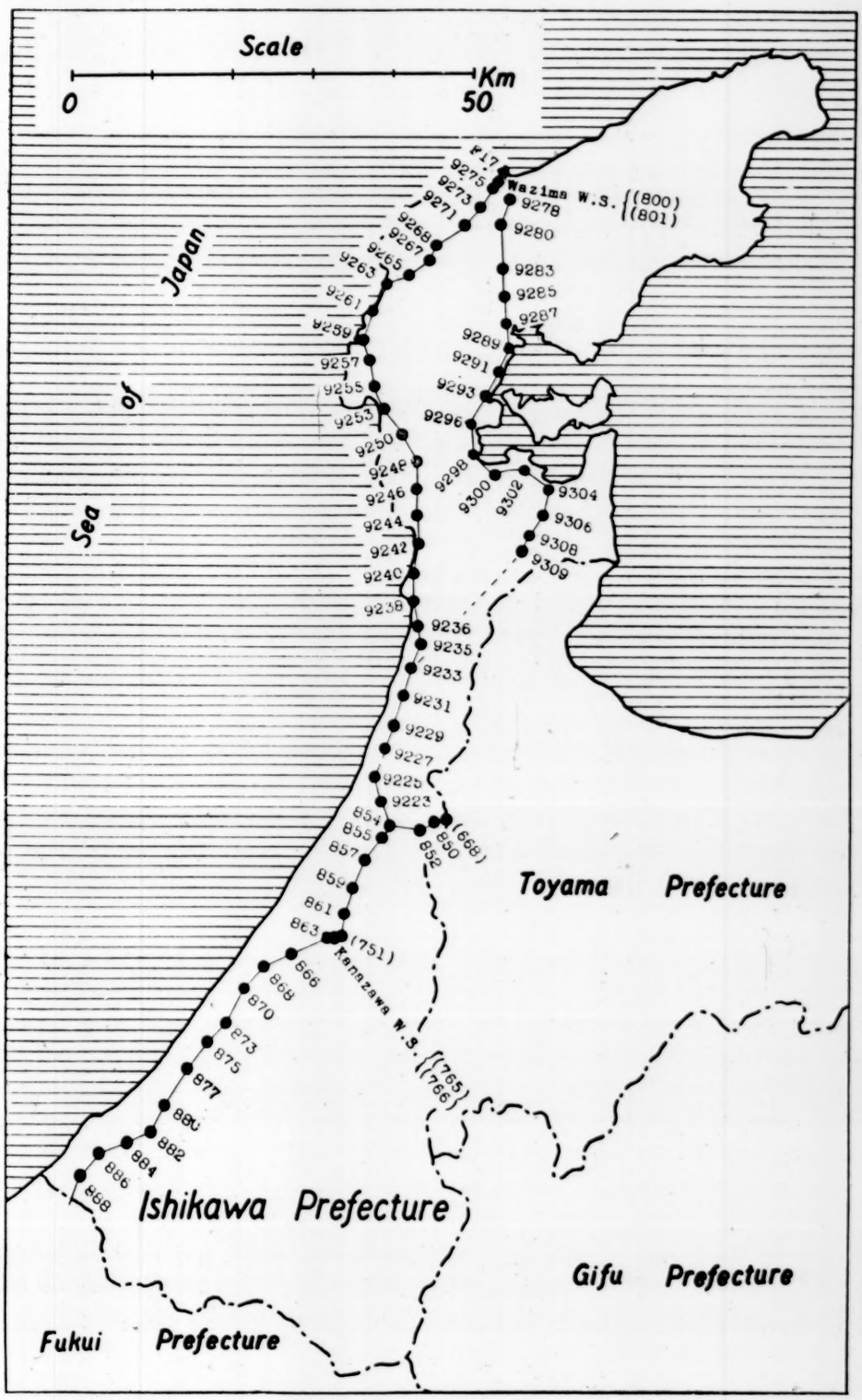

Fig. 10. Gravity Stations in Ishikawa Prefecture.

Table XIV. Synoptic Results for Ishikawa Prefecture (I).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		36° ,	136°,											
9309	818	58.6	55.9	78.92	XI 11	94576	9701	9513	8997	70.4	61.6	9150	55.1	46.3
9308	817	59.7	56.2	49.38	〃	95296	9682	9627	9013	66.9	61.4	9166	51.6	46.1
		37°												
9306	816	01.3	58.0	23.89	〃	96059	9680	9653	9037	64.3	61.6	9189	49.1	46.4
9304	815	02.9	57.5	1.48	〃	96433	9648	9646	9060	58.8	58.6	9212	43.6	43.4
9302	814	04.0	55.6	6.32	〃	96149	9634	9627	9076	55.8	55.1	9228	40.6	39.9
9300	813	03.5	53.4	2.39	〃	96596	9667	9664	9068	59.9	59.6	9221	44.6	44.3
9298	812	04.9	51.4	1.99	〃	96995	9706	9703	9089	61.7	61.4	9241	46.5	46.2
9296	811	06.8	50.9	2.03	〃	97239	9730	9728	9116	61.4	61.2	9268	46.2	46.0
9293	810	08.9	52.9	1.27	〃	98016	9806	9804	9147	65.9	65.7	9299	50.7	50.5
9291	809	10.5	53.9	3.39	〃	98329	9843	9840	9170	67.3	67.0	9322	52.1	51.8
9289	808	12.1	54.6	3.11	〃	98322	9842	9838	9193	64.9	64.5	9345	49.7	49.3
9287	807	13.9	54.4	3.58	〃	98465	9858	9854	9219	63.9	63.5	9371	48.7	48.3
〃	〃	〃	〃	〃	XI 10	98461	9857	9853	〃	63.8	63.4	〃	48.6	48.2
9285	806	15.6	54.0	80.52	〃	97027	9951	9861	9244	70.7	61.7	9396	55.5	46.5
9283	805	17.4	54.0	108.00	〃	96481	9981	9861	9270	71.1	59.1	9422	55.9	43.9
〃	〃	〃	〃	〃	XI 11	96501	9983	9863	〃	71.3	59.3	〃	56.1	44.1
							980.							
9280	804	19.8	54.2	61.58	XI 10	98384	0028	9960	9305	72.3	65.5	9456	57.2	50.4
9278	803	21.5	54.8	38.78	〃	99200	0040	9996	9330	71.0	66.6	9481	55.9	51.5
							979.							
F. 17	802	24.2	54.2	3.45	〃	99521	9963	9959	9369	59.4	59.0	9520	44.3	43.9
Wajima W.S.*	801	23.2	53.6	6.17	〃	99336	9953	9946	9354	59.9	59.2	9506	44.7	44.0
〃 **	800	〃	〃	5.49	〃	99352	9952	9946	〃	59.8	59.2	〃	44.6	44.0
9275	799	23.3	53.9	5.76	〃	99317	9950	9943	9356	59.4	58.7	9507	44.3	43.6
9273	798	21.6	52.3	23.40	〃	99091	9981	9955	9331	65.0	62.4	9483	49.8	47.2
							980.							
9271	797	20.4	50.7	94.64	〃	97556	0048	9942	9314	73.4	62.8	9465	58.3	47.7
							979.							
9268	796	18.7	48.3	48.85	〃	98248	9976	9921	9289	68.7	63.2	9441	53.5	48.0

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.
** Weather Station Bench Mark.

	9267	795	17.9	47.9	24.59		〃	98707	9947	9919	9277	67.0	64.2	9429	51.8	49.0
	9265	794	17.0	46.2	19.31		〃	98911	9951	9929	9264	68.7	66.5	9416	53.5	51.3
	9263	793	16.6	44.2	8.36		〃	99378	9964	9954	9258	70.6	69.6	9410	55.4	54.4
	9261	792	14.8	42.7	5.86		〃	99404	9959	9952	9232	72.7	72.0	9384	57.5	56.8
	9259	791	13.1	41.8	32.67		〃	98425	9943	9907	9208	73.5	69.9	9359	58.4	54.8
	9257	790	11.7	42.6	67.29		〃	97725	9980	9905	9187	79.3	71.8	9339	64.1	56.6
	9255	789	09.9	43.1	24.94		〃	98143	9891	9863	9161	73.0	70.2	9313	57.8	55.0
	9253	788	08.0	44.1	3.09		〃	97846	9794	9791	9134	66.0	65.7	9286	50.8	50.5
	9250	787	06.1	45.6	68.22		〃	95720	9783	9706	9106	67.7	60.0	9258	52.5	44.8
	9248	786	04.4	46.7	30.72		〃	95913	9686	9652	9081	60.5	57.1	9234	45.2	41.8
	9246	785	02.5	46.9	23.65		〃	95583	9631	9605	9054	57.7	55.1	9206	42.5	39.9
	〃	〃	〃	〃	〃	XI	9	95577	9631	9604	〃	57.7	55.0	〃	42.5	39.8
	9244	784	00.6	47.0	2.07		〃	95473	9554	9551	9026	52.8	52.5	9179	37.5	37.2
	〃	〃	〃	〃	〃		〃	95475	9554	9552	〃	52.8	52.6	〃	37.5	37.3
			36°													
	9242	783	58.9	46.7	7.54		〃	94445	9468	9459	9002	46.6	45.7	9154	31.4	30.5
	9240	782	57.1	46.3	7.40		〃	94444	9467	9459	8976	49.1	48.3	9128	33.9	33.1
	9238	781	55.2	46.1	3.39		〃	94953	9506	9502	8948	55.8	55.4	9101	40.5	40.1
	9236	780	53.6	46.8	3.14		〃	93645	9374	9371	8925	44.9	44.6	9078	29.6	29.3
	9235	779	52.6	46.9	11.95		〃	93016	9339	9325	8911	42.8	41.4	9063	27.6	26.2
	9233	778	50.7	46.4	12.98		〃	92498	9290	9275	8883	40.7	39.2	9036	25.4	23.9
	9231	777	48.9	45.7	17.88		〃	92515	9310	9290	8857	45.3	43.3	9010	30.0	28.0
	9229	776	47.1	44.6	11.76		〃	94072	9444	9430	8832	61.2	59.8	8984	46.0	44.6
	9227	775	45.2	43.8	11.36		〃	93869	9422	9409	8804	61.8	60.5	8957	46.5	45.2
	9225	774	43.2	42.6	4.23		〃	92538	9267	9262	8775	49.2	48.7	8928	33.9	33.4
	9223	773	41.6	43.6	5.94		〃	90835	9102	9095	8752	35.0	34.3	8905	19.7	19.0
	854	770	40.1	44.3	5.47		〃	90035	9020	9014	8730	29.0	28.4	8883	13.7	13.1
	855	769	39.3	43.9	6.11		〃	89589	8978	8971	8719	25.9	25.2	8872	10.6	9.9
	857	768	37.6	42.4	3.18		〃	88701	8880	8876	8694	18.6	18.2	8847	3.3	2.9
	859	767	35.7	41.1	12.85		〃	87826	8822	8808	8667	15.5	14.1	8820	0.2	− 1.2
	〃	〃	〃	〃	〃	XI	11	87810	8821	8806	〃	15.4	13.9	〃	0.1	− 1.4
Kanazawa	W.S.*	766	32.5	38.5	27.50	XI	9	87286	8814	8783	8621	19.3	16.2	8774	4.0	0.9
	〃**	765	〃	〃	27.35		〃	87287	8813	8783	〃	19.2	16.2	〃	3.9	0.9
	861	750	34.1	39.8	20.20	XI	8	87439	8806	8784	8644	16.2	14.0	8797	0.9	− 1.3
	863	752	32.5	38.7	16.97		〃	87492	8802	8783	8621	18.1	16.2	8774	2.8	0.9
	〃	〃	〃	〃	〃		〃	87491	8802	8783	〃	18.1	16.2	〃	2.8	0.9

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

** Weather Station Bench Mark.

Table XIV. (Continued)

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		36° ′	136°′											
866	753	31.7	35.4	19.66	XI 8	87626	8823	8801	8609	21.4	19.2	8762	6.1	3.9
868	754	30.7	33.8	22.96	〃	87534	8824	8799	8595	22.9	20.4	8748	7.6	5.1
870	755	29.6	32.1	17.38	〃	87685	8822	8803	8579	24.3	22.4	8732	9.0	7.1
873	756	27.0	30.4	10.25	〃	87803	8812	8800	8541	27.1	25.9	8695	11.7	10.5
〃	〃	〃	〃	〃	〃	87798	8811	8800	〃	27.0	25.9	〃	11.6	10.5
875	757	25.9	28.8	4.67	〃	88225	8837	8832	8526	31.1	30.6	8679	15.8	15.3
877	758	24.2	27.0	3.64	〃	87955	8807	8803	8501	30.6	30.2	8655	15.2	14.8
880	759	21.6	25.2	7.20	〃	86817	8704	8696	8464	24.0	23.2	8617	8.7	7.9
〃	〃	〃	〃	〃	〃	86816	8704	8696	〃	24.0	23.2	〃	8.7	7.9
882	760	19.9	24.3	4.52	〃	86699	8684	8679	8439	24.5	24.0	8593	9.1	8.6
884	761	19.3	21.8	10.88	〃	86615	8695	8683	8431	26.4	25.2	8584	11.1	9.9
886	762	18.6	19.5	5.01	〃	87368	8752	8747	8421	33.1	32.6	8574	17.8	17.3
888	763	17.3	18.0	16.05	〃	87595	8809	8791	8402	40.7	38.9	8556	25.3	23.5

Synoptic Results for Ishikawa Prefecture (II).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		36° ′	136°′											
852	771	39.7	46.7	14.84	XI 9	89955	9041	9025	8724	31.7	30.1	8877	16.4	14.8
850	772	40.1	49.0	57.64	〃	89386	9117	9052	8730	38.7	32.2	8883	23.4	16.9

(17) Fukui Prefecture.

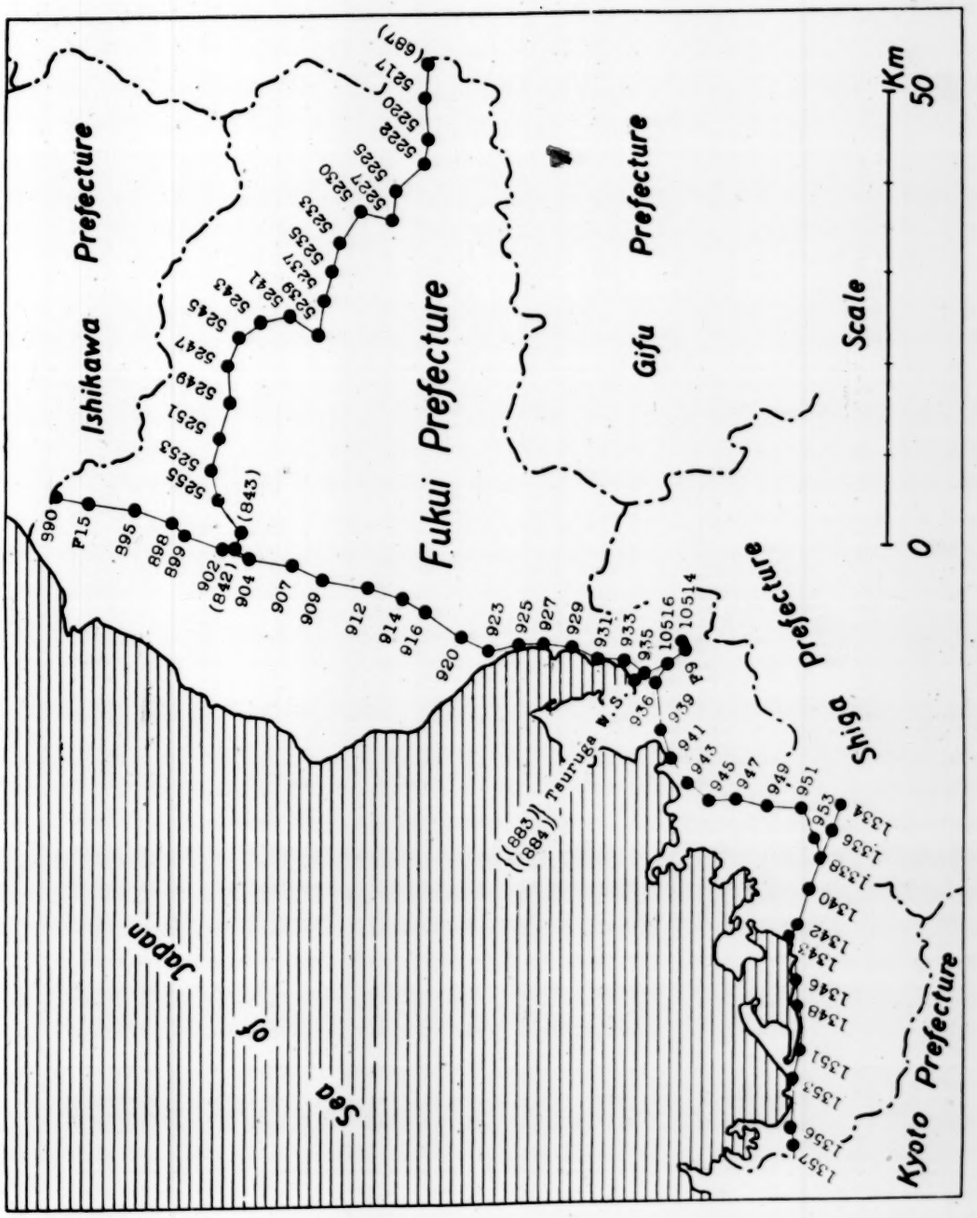

Fig. 11. Gravity Stations in Fukui Prefecture.

Table XV. Synoptic Results for Fukui Prefecture (I).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		36° ′	136°′											
890	764	15.3	17.4	57.94	XI 12	86513	8830	8765	8373	45.7	39.2	8527	30.3	23.8
F. 15	822	13.3	16.9	34.55	〃	87068	8813	8775	8344	46.9	43.1	8498	31.5	27.7
895	821	10.5	16.5	11.37	〃	86661	8701	8689	8304	39.7	38.5	8458	24.3	23.1
898	823	07.9	15.6	9.82	〃	85840	8614	8603	8267	34.7	33.6	8421	19.3	18.2
899	820	07.1	14.7	8.65	〃	85688	8596	8586	8255	34.1	33.1	8409	18.7	17.7
902	819	04.7	13.3	7.50	〃	85306	8554	8545	8221	33.3	32.4	8375	17.9	17.0
904	844	03.2	12.9	8.40	XI 14	85389	8565	8555	8199	36.6	35.6	8354	21.1	20.1
907	845	00.3	12.1	9.63	〃	84990	8529	8518	8158	37.1	36.0	8312	21.7	20.6
		35°												
909	846	58.3	11.2	17.13	〃	84436	8497	8477	8129	36.8	34.8	8284	21.3	19.3
912	847	55.5	10.6	24.05	〃	83042	8378	8352	8089	28.9	26.3	8244	13.4	10.8
914	848	53.5	10.2	37.42	〃	82232	8339	8297	8061	27.8	23.6	8215	12.4	8.2
〃	〃	〃	〃	〃	XI 16	82236	8339	8297	〃	27.8	23.6	〃	12.4	8.2
916	849	52.2	08.9	111.28	XI 14	80658	8409	8285	8042	36.7	24.3	8197	21.2	8.8
920	850	50.2	07.4	260.53	〃	77387	8543	8251	8013	53.0	23.8	8168	37.5	8.3
923	851	48.3	05.9	162.11	〃	78669	8367	8186	7986	38.1	20.0	8141	22.6	4.5
925	852	46.6	06.3	136.38	〃	78107	8232	8079	7962	27.0	11.7	8117	11.5	− 3.8
927	853	45.1	06.1	30.68	〃	79766	8071	8037	7941	13.0	9.6	8095	− 2.4	− 5.8
929	854	43.1	06.0	9.00	〃	79884	8016	8006	7912	10.4	9.4	8067	− 5.1	− 6.1
931	855	41.6	05.0	14.49	〃	78876	7932	7916	7891	4.1	2.5	8045	−11.3	−12.9
933	856	40.1	04.9	29.43	〃	77615	7852	7819	7869	− 1.7	− 5.0	8024	−17.2	−20.5
J. 935	857	38.8	04.7	2.24	〃	77164	7723	7721	7851	−12.8	−13.0	8006	−28.3	−28.5
Tsuruga W.S.*	883	39.2	04.0		XI 16	77244			7856			8011		
〃 **	884	39.2	〃	1.69	〃	77267	7732	7730	〃	−12.4	−12.6	〃	−27.9	−28.1
10516	858	37.3	04.8	21.19	XI 14	76055	7671	7647	7829	−15.8	−18.2	7984	−31.3	−33.7
F. 9	882	35.9	06.2	82.23	XI 16	74202	7674	7582	7809	−13.5	−22.7	7964	−29.0	−38.2

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

** Weather Station Bench Mark.

10514	881	35.9	06.4	76.53	〃	74446	7681	7595	7809	−12.8	−21.4	7964	−28.3	−35.9
936	859	37.9	03.5	9.52	XI 15	76565	7686	7675	7838	−15.2	−16.3	7993	−30.7	−31.8
939	860	37.5	00.2	64.04	〃	76122	7810	7738	7832	− 2.2	− 9.4	7987	−17.7	−24.9
			135°											
941	861	37.1	57.9	4.66	〃	78225	7837	7832	7826	1.1	0.6	7981	−14.4	−14.9
943	862	35.9	56.2	12.88	〃	77666	7806	7792	7809	− 0.3	− 1.7	7964	−15.8	−17.2
945	863	34.5	54.7	19.74	〃	77567	7818	7796	7789	2.9	0.7	7944	−12.6	−14.8
947	864	32.5	54.8	18.56	〃	77019	7759	7738	7761	− 0.2	−2.3	7916	−15.7	−17.8
949	865	30.4	54.4	47.20	〃	76402	7786	7733	7731	5.5	0.2	7886	−10.0	−15.3
951	866	28.5	54.1	105.60	〃	75347	7861	7742	7704	15.7	3.8	7859	0.2	−11.7
953	867	28.0	52.0	40.42	〃	77164	7841	7796	7697	14.4	9.9	7852	− 1.1	− 5.6

Synoptic Results for Fukui Prefecture (II).

B.M.		No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901			International Formula		
										γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
			36° ,	136°,											
Fukui	WS*	843	03.2	13.5	10.00	XI 14	85147	8546	8534	8199	34.7	33.5	8354	19.2	18.0
	5255	824	05.3	17.5	21.39	XI 13	85186	8585	8561	8230	35.5	33.1	8384	20.1	17.7
	5253	825	05.7	19.6	42.87	〃	84619	8594	8546	8235	35.9	31.1	8389	20.5	15.7
	5251	826	05.1	22.0	52.20	〃	83600	8521	8463	8227	29.4	23.6	8381	14.0	8.2
	5249	827	04.4	24.4	70.25	〃	82185	8435	8357	8217	21.8	14.0	8371	6.4	− 1.4
	5247	828	04.5	26.7	88.69	〃	81444	8418	8319	8218	20.0	10.1	8372	4.6	− 5.3
	5245	829	04.1	29.1	112.36	〃	80856	8432	8307	8212	22.0	9.5	8367	6.5	− 6.0
	5243	830	02.5	30.6	140.31	〃	79859	8419	8262	8189	23.0	7.3	8344	7.5	− 8.2
	5241	831	00.8	30.9	155.37	〃	79191	8399	8225	8165	23.4	6.0	8319	8.0	− 9.4
			35°												
	5239	832	59.1	29.6	172.45	〃	78393	8372	8179	8141	23.1	3.8	8295	7.7	−11.6

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Table XV. (Continued)

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		35° ′	136° ′											
5237	833	58.6	32.0	192.32	XI 13	77679	8361	8146	8134	22.7	1.2	8288	7.3	−14.2
5235	834	58.0	34.4	273.56	〃	75580	8402	8096	8125	27.7	− 2.9	8279	12.3	−18.3
5233	835	57.7	36.4	327.08	〃	74608	8470	8104	8121	34.9	− 1.7	8275	19.5	−17.1
5230	836	56.4	38.7	361.36	〃	73472	8462	8058	8102	36.0	− 4.4	8256	20.6	−19.8
5227	837	54.6	37.8	402.89	〃	72378	8481	8030	8076	40.5	− 4.6	8231	25.0	−20.1
5225	838	54.2	40.2	429.56	〃	71680	8494	8013	8071	42.3	− 5.8	8225	26.9	−21.2
〃		〃	〃	〃	〃	71668	8492	8012	〃	42.1	− 5.9	〃	26.7	−21.3
5222	839	52.5	41.6	470.05	〃	70227	8473	7947	8046	42.7	− 9.9	8201	27.2	−25.4
5220	840	52.2	43.8	504.40	〃	69553	8512	7948	8042	47.0	− 9.4	8197	31.5	−24.9
5217	841	52.5	47.4	579.39	〃	68047	8593	7944	8046	54.7	−10.2	8201	39.2	−25.7

Synoptic Results for Fukui Prefecture (III).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		35° ′	135° ′											
1357	879	28.8	29.1	44.86	XI 15	80280	8166	8116	7708	45.8	40.8	7863	30.3	25.3
1356	878	28.9	30.5	11.87	〃	80907	8127	8114	7710	41.7	40.4	7865	26.2	24.9
1353	877	29.0	33.8	5.01	〃	80328	8048	8043	7711	33.7	33.2	7866	18.2	17.7
1351	876	28.8	36.1	4.49	〃	79437	7958	7953	7708	25.0	24.5	7863	9.5	9.0
1348	875	28.5	39.3	1.67	〃	78934	7899	7897	7704	19.5	19.3	7859	4.0	3.8
1346	874	29.0	41.7	19.30	〃	78554	7915	7893	7711	20.4	18.2	7866	4.9	2.7
1343	873	29.4	44.5	3.67	〃	78891	7900	7896	7717	18.3	17.9	7872	2.8	2.4
1342	872	29.1	45.9	3.72	〃	78673	7879	7875	7712	16.7	16.3	7868	1.1	0.7
1340	871	28.3	48.2	17.27	〃	78019	7855	7836	7701	15.4	13.5	7856	− 0.1	− 2.0
1338	868	27.8	50.6	32.93	〃	76973	7799	7762	7694	10.5	6.8	7849	− 5.0	− 8.7
1336	869	26.9	52.9	73.04	〃	75689	7794	7713	7681	11.3	3.2	7836	− 4.2	−12.3
1334	870	26.1	55.0	101.53	〃	74187	7732	7618	7670	6.2	− 5.2	7825	− 9.3	−20.7

(18) Yamanashi Prefecture.

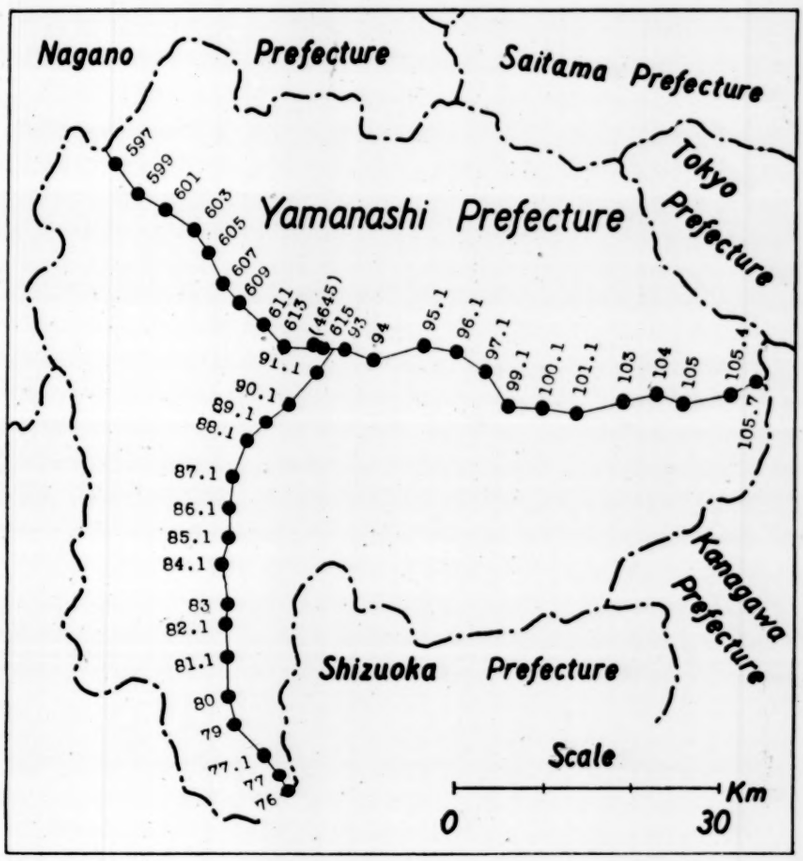

Fig. 12. Gravity Stations in Yamanashi Prefecture.

Table XVI. Synoptic Results for Yamanashi Prefecture (I).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1953	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		35° ,	138°,											
597	3778	51.1	17.7	690.23	V 8	63389	8469	7697	8026	44.3	−32.9	8181	28.8	−48.4
599	3777	49.4	19.0	653.80	〃	64254	8443	7711	8002	44.1	−29.1	8157	28.6	−44.6
601	3776	48.3	21.0	573.83	〃	66025	8373	7731	7986	38.7	−25.5	8141	23.2	−41.0
603	3775	47.1	22.9	508.49	〃	66873	8257	7688	7969	28.8	−28.1	8124	13.3	−43.6
605	3774	45.5	24.3	444.98	〃	67844	8158	7660	7946	21.2	−28.6	8101	5.7	−44.1
〃	3780	〃	〃	〃	〃	67839	8157	7659	〃	21.1	−28.7	〃	5.6	−44.2
607	3773	43.7	25.5	394.94	〃	68750	8094	7652	7921	17.3	−26.9	8075	1.9	−42.3
609	3772	42.2	27.2	350.90	〃	69650	8048	7655	7899	14.9	−24.4	8054	− 0.6	−39.9
611	3771	41.0	29.4	317.73	〃	70315	8012	7657	7882	13.0	−22.5	8037	− 2.5	−38.0
613	3770	39.8	31.3	285.77	〃	70973	7979	7659	7865	11.4	−20.6	8020	− 4.1	−36.1
Kôfu W.S.*	4645	39.5	33.3	271.69	X 22	71951	8034	7730	7861	17.3	−13.1	8016	1.8	−28.6
615	3768	39.4	33.8	266.52	V 7	71894	8012	7714	7859	15.3	−14.5	8014	− 0.2	−30.0
93	3767	39.4	35.6	257.25	〃	72203	8014	7726	7859	15.5	−13.3	8014	0.0	−28.8
94	3766	38.9	38.2	268.75	〃	72218	8051	7751	7852	19.9	−10.1	8007	4.4	−25.6
95.$_1$	3765	39.6	41.6	315.26	〃	72860	8259	7906	7862	39.7	4.4	8017	24.2	−11.1
96.$_1$	3764	39.5	44.2	417.45	〃	71034	8392	7925	7861	53.1	6.4	8016	37.6	− 9.1
97.$_1$	3763	38.4	45.9	574.83	〃	67927	8567	7923	7845	72.2	7.8	8000	56.7	− 7.7
99.$_1$	3762	36.0	48.0	727.77	〃	65581	8804	7990	7811	99.3	17.9	7966	83.8	2.4
100.$_1$	3761	36.0	51.1	555.66	〃	68970	8612	7990	7811	80.1	17.9	7966	64.6	2.4
101.$_1$	3760	35.6	53.3	453.83	〃	70905	8491	7983	7805	68.6	17.8	7960	53.1	2.3
103	3759	36.4	56.5	363.35	〃	73435	8465	8058	7817	64.8	24.1	7971	49.4	8.7
104	3758	36.7	59.0	314.58	〃	74645	8435	8083	7821	61.4	26.2	7976	45.9	10.7
			139°											
105	3757	36.3	00.6	312.94	〃	75130	8479	8129	7815	66.4	31.4	7970	50.9	15.9
105.$_4$	3756	36.6	05.1	253.20	〃	75169	8298	8015	7819	47.9	19.6	7974	32.4	4.1
105.$_7$	3755	37.5	07.0	264.10	〃	75804	8395	8100	7832	56.3	26.8	7987	40.8	11.3
105.$_9$	3754	36.9	08.6	217.65	〃	77009	8373	8129	7824	54.9	30.5	7979	39.4	15.0

* Weather Station, at the Road Crose in the Observation Field.

Synoptic Results for Yamanashi Prefecture (II).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1953	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		35° ,	138°,											
91.1	4646	37.8	33.0	260.36	X 22	70736	7877	7586	7836	4.1	−25.0	7991	−11.4	−40.5
90.1	4647	36.2	31.3	260.15	〃	69953	7798	7507	7814	− 1.6	−30.7	7969	−17.1	−46.2
89.1	4648	34.7	29.7	245.33	〃	69902	7747	7473	7792	− 4.5	−31.9	7947	−20.0	−47.4
88.1	4649	33.3	28.1	246.74	〃	69401	7702	7425	7772	− 7.0	−34.7	7927	−22.5	−50.2
87.1	4650	31.4	27.2	245.77	〃	69640	7722	7447	7745	− 2.3	−29.8	7900	−17.8	−45.3
86.1	4651	29.7	27.0	236.72	〃	69810	7712	7447	7721	− 0.9	−27.4	7876	−16.4	−42.9
85.1	4652	27.9	26.7	226.30	〃	70014	7700	7447	7695	0.5	−24.8	7851	−15.1	−40.4
84.1	4653	25.9	26.4	220.10	〃	69760	7655	7409	7667	− 1.2	−25.8	7822	−16.7	−41.3
83	4654	23.0	26.9	240.90	〃	69870	7730	7461	7626	10.4	−16.5	7781	− 5.1	−32.0
82.1	4655	22.1	26.8	183.57	〃	70888	7655	7450	7613	4.2	−16.3	7768	−11.3	−31.8
81.1	4657	20.5	26.5	275.83	X 23	69763	7828	7519	7590	23.8	− 7.1	7746	8.2	−22.7
80	4658	18.0	27.2	152.25	〃	70878	7558	7387	7555	0.3	−16.8	7710	−15.2	−32.3
79	4659	16.0	27.5	178.48	〃	70332	7584	7384	7526	5.8	−14.2	7682	− 9.8	−29.8
77.1	4660	14.0	29.8	119.99	〃	72117	7582	7448	7498	8.4	− 5.0	7654	− 7.2	−20.6
77	4661	13.4	30.7	95.29	〃	72806	7575	7468	7489	8.6	− 2.1	7645	− 7.0	−17.7
76	4663	11.9	31.4	152.46	〃	71674	7638	7467	7468	17.0	− 0.1	7624	1.4	−15.7

(19) Nagano Prefecture.

Table XVII. Synoptic Results for Nagano Prefecture (I).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1953	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		36° ′	138°′											
544	4320	20.5	39.3	956.17	IX 3	65938	9545	8475	8448	109.7	2.7	8601	94.4	−12.6
545	4319	20.4	37.8	942.01	〃	65514	9458	8404	8446	101.2	− 4.2	8600	85.8	−19.6
Karuizawa W.S.*	4321	20.6	35.7	934.00	〃	64784	9361	8316	8449	91.2	−13.3	8603	75.8	−28.7
547	4318	20.7	35.2	953.98	〃	64122	9356	8289	8451	90.5	−16.2	8604	75.2	−31.5
549	4317	20.2	32.7	979.56	〃	63335	9356	8260	8444	91.2	−18.4	8597	75.9	−33.7
550	4322	19.5	31.6	906.39	〃	65025	9300	8285	8433	86.7	−14.8	8587	71.3	−30.2
551	4323	19.0	30.8	828.54	〃	66588	9216	8289	8426	79.0	−13.7	8580	63.6	−29.1
552	4324	17.9	29.8	763.62	〃	67925	9149	8295	8410	73.9	−11.5	8564	58.5	−26.9
554	4325	16.2	28.8	709.09	〃	67938	8982	8189	8386	59.6	−19.7	8540	44.2	−35.1
556	4326	15.7	26.6	670.55	〃	68363	8906	8155	8379	52.7	−22.4	8533	37.3	−37.8
558	4327	16.3	24.0	665.03	〃	67804	8833	8089	8387	44.6	−29.8	8541	29.2	−45.2
560	4328	15.7	21.9	666.25	〃	67404	8796	8051	8379	41.7	−32.8	8533	26.3	−48.2
562	4329	16.0	19.8	729.52	〃	66148	8866	8050	8383	48.3	−33.3	8537	32.9	−48.7
564	4330	15.3	17.5	876.58	〃	64276	9133	8152	8373	76.0	−22.1	8527	60.6	−37.5
567	4331	13.7	14.8	716.64	〃	67835	8995	8193	8350	64.5	−15.7	8504	49.1	−31.1
569	4332	12.4	13.0	826.14	〃	65333	9083	8158	8331	75.2	−17.3	8485	59.8	−32.7
571	4333	10.8	11.3	964.37	〃	61739	9150	8071	8308	84.2	−23.7	8462	68.8	−39.1
573	4334	10.0	09.9	1192.28	〃	56880	9367	8033	8297	107.0	−26.4	8451	91.6	−41.8
575	4335	09.1	09.1	1434.36	〃	51157	9542	7937	8284	125.8	−34.7	8438	110.4	−50.1
577.1	4336	07.9	07.4	1205.55	〃	55673	9288	7939	8267	102.1	−32.8	8421	86.7	−48.2
579	4337	06.1	05.9	901.75	〃	61142	8897	7888	8241	65.6	−35.3	8395	50.2	−50.7
J. 580	4338	04.4	05.6	787.18	〃	62656	8695	7814	8217	47.8	−40.3	8371	32.4	−55.7
582	4339	03.3	06.9	762.54	〃	62648	8618	7765	8201	41.7	−43.6	8355	26.3	−59.0
〃	4347	〃	〃	〃	IX 4	62674	8621	7767	〃	42.0	−43.4	〃	26.6	−58.8
584	4341	01.4	08.0	764.95	〃	62992	8660	7804	8174	48.6	−37.0	8328	33.2	−52.4

* Weather Station Bench Mark.

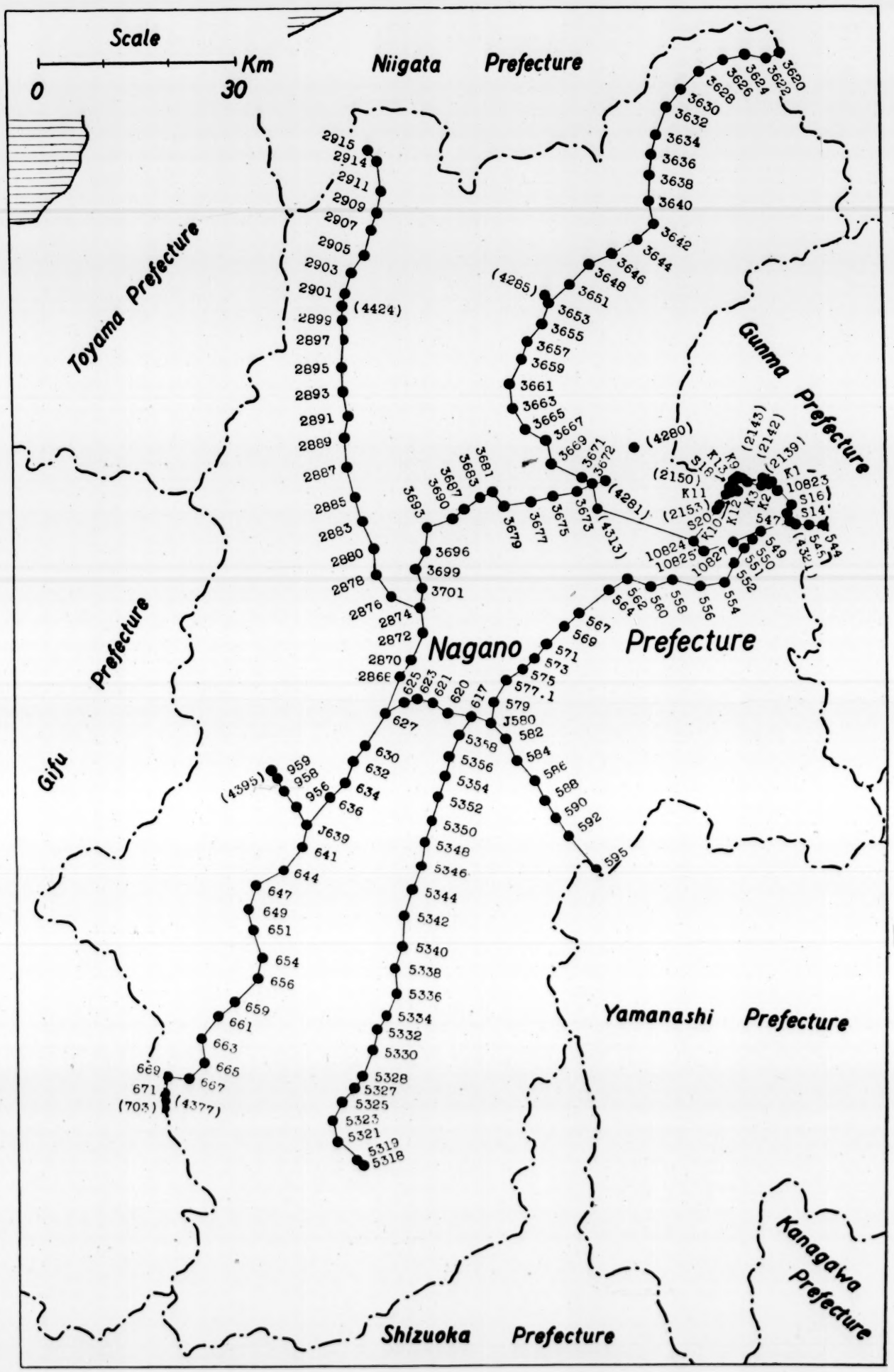

Fig. 13. Gravity Stations in Nagano Prefecture.

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		35°												
586	4342	59.4	09.2	788.10	〃	62662	8698	7816	8145	55.3	−32.9	8299	39.9	−48.3
588	4343	57.9	10.7	823.79	〃	61628	8705	7783	8124	58.1	−34.1	8278	42.7	−49.5
590	4344	56.2	12.1	873.82	〃	60238	8720	7743	8099	62.1	−35.6	8254	46.6	−51.1
592	4345	54.8	13.9	951.96	〃	58417	8779	7714	8079	70.0	−36.5	8234	54.5	−52.0
595	4346	52.7	15.8	765.01	〃	61959	8557	7701	8049	50.8	−34.8	8204	35.3	−50.3

Synoptic Results for Nagano Prefecture (II).

B.M.	No.	φ	λ	H (m)	Date 1953	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		36° ′	138°′											
S. 14*	4256	21.8	35.5	975.77	VIII 31	63815	9393	8301	8467	92.6	−16.6	8620	77.3	−31.9
S. 16*	4257	22.9	35.6	1212.10	〃	58986	9639	8283	8482	115.7	−19.9	8636	100.3	−35.3
10823	4258	24.1	34.3	1405.83	〃	54214	9760	8187	8500	126.0	−31.3	8653	110.7	−46.6
〃	4269	〃	〃	〃	〃	54231	9762	8188	〃	126.2	−31.2	〃	110.9	−46.5
					1952									
K. 1 *	2137	24.3	33.6	1566.85	VIII 11	50558	9891	8138	8503	138.8	−36.5	8656	123.5	−51.8
							980.							
K. 2*	2138	24.1	33.1	1822.86	〃	44588	0084	8044	8500	158.4	−45.6	8653	143.1	−60.9
K. 3*	2140	24.0	32.4	2162.24	〃	36214	0294	7875	8498	179.6	−62.3	8652	164.2	−77.7
K. 9*	2144	24.2	30.3	2192.75	〃	36877	0455	8001	8501	195.4	−50.0	8655	180.0	−65.4
K. 13*	2145	24.1	30.0	2081.47	〃	39852	0409	8079	8500	190.9	−42.1	8653	175.6	−57.4
S. 18*	2146	23.8	30.0	1983.51	〃	42082	0329	8110	8495	183.4	−38.5	8649	168.0	−53.9
〃	2148	〃	〃	〃	〃	42086	0330	8110	〃	183.5	−38.5	〃	168.1	−53.9
K. 12*	2147	23.6	30.2	2039.76	〃	40530	0348	8065	8492	185.6	−42.7	8646	170.2	−58.1
K. 10*	2151	23.4	29.7	1694.79	VIII 12	47817	0012	8115	8490	152.2	−37.5	8643	136.9	−52.8
							979.							
K. 11*	2152	23.0	29.1	1485.66	〃	52087	9793	8131	8484	130.9	−35.3	8637	115.6	−50.6
S. 20*	2154	21.4	28.0	1110.83	〃	59286	9357	8114	8461	89.6	−34.7	8614	74.3	−50.0
					1953									
10824	4314	19.3	26.0	711.73	IX 3	67215	8918	8122	8431	48.7	−30.9	8584	33.4	−46.2
10825	4315	18.6	26.8	710.29	〃	67063	8898	8104	8421	47.7	−31.7	8574	32.4	−47.0
10827	4316	19.1	29.5	800.81	〃	66587	9130	8234	8428	70.2	−19.4	8581	54.9	−34.7

* Earthquake Research Institute Bench Marks.

Synoptic Results for Nagano Prefecture (III).

B.M.	No.	φ	λ	H (m)	Date 1953	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		36° ,	138°,											
5358	4350	03.2	02.6	776.40	IX 4	61910	8587	7718	8199	38.8	−48.1	8354	23.3	−63.6
5356	4351	01.6	01.4	759.64	〃	62655	8610	7760	8176	43.4	−41.6	8331	27.9	−57.1
		35°												
5354	4352	59.7	00.5	738.21	〃	62809	8559	7733	8149	41.0	−41.6	8304	25.5	−57.1
5352	4353	57.7	00.1	731.39	〃	63236	8581	7762	8121	46.0	−35.9	8275	30.6	−51.3
			137°											
5350	4354	55.7	59.2	687.45	〃	63675	8489	7720	8092	39.7	−37.2	8246	24.3	−52.6
5348	4355	53.7	59.3	670.53	〃	64160	8485	7735	8063	42.2	−32.8	8218	26.7	−48.3
5346	4356	51.7	58.7	676.46	〃	64092	8497	7740	8035	46.2	−29.5	8189	30.8	−44.9
5344	4358	49.8	57.2	633.59	〃	64124	8368	7659	8008	36.0	−34.9	8162	20.6	−50.3
5342	4359	48.0	56.7	611.31	〃	64311	8318	7634	7982	33.6	−34.8	8137	18.1	−50.3
5340	4360	45.9	56.6	643.26	〃	63925	8378	7658	7952	42.6	−29.4	8107	27.1	−44.9
5338	4361	43.9	56.2	678.57	〃	62970	8391	7632	7924	46.7	−29.2	8078	31.3	−44.6
5336	4362	41.9	56.2	637.13	〃	63652	8331	7619	7895	43.6	−27.6	8050	28.1	−43.1
5334	4363	40.2	55.6	651.94	〃	63264	8338	7609	7871	46.7	−26.2	8026	31.2	−41.7
5332	4364	39.3	54.4	712.99	〃	61839	8384	7586	7858	52.6	−27.2	8013	37.1	−42.7
5330	4365	37.2	53.8	668.95	〃	62759	8340	7592	7828	51.2	−23.6	7983	35.7	−39.1
5328	4366	35.4	53.2	647.29	〃	63468	8344	7620	7802	54.2	−18.2	7957	38.7	−33.7
5327	4367	34.4	52.7	600.45	〃	64432	8296	7624	7788	50.8	−16.4	7943	35.3	−31.9
5325	4368	32.7	51.2	582.06	〃	64860	8282	7631	7764	51.8	−13.3	7919	36.3	−28.8
5323	4369	31.2	50.0	518.17	〃	66466	8246	7666	7742	50.4	− 7.6	7898	34.8	−23.2
5321	4371	29.6	50.6	423.64	IX 5	69105	8218	7744	7720	49.8	2.4	7875	34.3	−13.1
5319	4372	28.1	52.0	547.94	〃	67182	8409	7796	7698	71.1	9.8	7853	55.6	− 5.7
5318	4373	27.6	52.8	649.01	〃	65125	8515	7789	7691	82.4	9.8	7846	66.9	− 5.7

Synoptic Results for Nagano Prefecture (IV).

B.M.	No.	φ	λ	H (m)	Date 1953	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		36° ′	138°′											
617	4348	04.7	03.2	820.75	IX 4	60946	8627	7709	8221	40.6	−51.2	8375	25.2	−66.6
620	4349	05.0	01.8	999.42	〃	57600	8844	7726	8225	61.9	−49.9	8379	46.5	−65.3
〃	4405	〃	〃	〃	IX 6	57596	8844	7725	〃	61.9	−50.0	〃	46.5	−65.4
621	4404	05.6	00.8	926.68	〃	59372	8797	7760	8234	56.3	−47.4	8388	40.6	−62.8
			137°											
623	4403	05.9	59.3	780.96	〃	63159	8726	7852	8238	48.8	−38.6	8392	33.4	−54.0
〃	4406	〃	〃	〃	〃	63163	8726	7852	〃	48.8	−38.6	〃	33.4	−54.0
625	4402	06.3	57.1	720.34	〃	64421	8665	7859	8244	42.1	−38.5	8398	26.7	−53.9
J. 627	4401	05.1	55.2	757.38	〃	63783	8716	7868	8227	48.9	−35.9	8381	33.5	−51.3
630	4400	02.3	53.3	822.11	〃	61670	8704	7784	8187	51.7	−40.3	8341	36.3	−55.7
632	4399	00.8	52.0	871.00	〃	60414	8729	7755	8165	56.4	−41.0	8319	41.0	−56.4
		35°												
634	4398	59.1	51.0	883.81	〃	59722	8700	7711	8141	55.9	−43.0	8295	40.5	−58.4
636	4397	57.9	49.5	935.24	〃	58664	8753	7706	8124	62.9	−41.8	8279	47.4	−57.3
J. 639	4392	55.8	47.2	924.78	〃	58903	8744	7709	8093	65.1	−38.4	8248	49.6	−53.9
956	4393	57.3	46.3	954.82	〃	58380	8785	7716	8115	67.0	−39.9	8269	51.6	−55.3
958	4394	58.5	45.1	1013.69	〃	55639	8692	7558	8132	56.0	−57.4	8286	40.6	−72.8
959	4396	59.1	44.6	1074.67	〃	53197	8636	7434	8141	49.5	−70.7	8295	34.1	−86.1
641	4391	54.2	46.4	885.84	〃	59589	8693	7701	8071	62.2	−37.0	8225	46.8	−52.4
644	4390	51.9	44.6	850.83	〃	60508	8677	7724	8038	63.9	−31.4	8192	48.5	−46.8
647	4388	50.3	41.6	748.59	IX 5	62482	8558	7721	8015	54.3	−29.4	8169	38.9	−44.8
649	4387	48.6	41.2	749.78	〃	62080	8522	7683	7991	53.1	−30.8	8145	37.7	−46.2
651	4386	46.8	41.8	712.47	〃	62483	8447	7650	7965	48.2	−31.5	8120	32.7	−47.0
654	4385	44.2	43.1	609.30	〃	63807	8261	7579	7928	33.3	−34.9	8083	17.8	−50.4
656	4384	42.4	42.3	558.40	〃	64895	8213	7588	7902	31.1	−31.4	8057	15.6	−46.9
659	4383	40.8	40.0	531.28	〃	65985	8238	7644	7879	35.9	−23.5	8034	20.4	−39.0
661	4382	40.0	38.1	530.00	〃	65883	8224	7631	7868	35.6	−23.7	8023	20.1	−39.2
663	4381	38.4	37.2	472.12	〃	66935	8156	7627	7845	31.1	−21.8	8000	15.6	−37.3
665	4380	36.5	37.0	448.04	〃	67217	8104	7603	7818	28.6	−21.5	7973	13.1	−37.0
667	4379	34.9	35.7	377.20	〃	68494	8013	7591	7795	21.8	−20.4	7950	6.3	−35.9
669	4375	35.0	33.0	343.54	〃	69265	7987	7602	7797	19.0	−19.5	7952	3.5	−35.0
671	4376	33.1	32.8	362.63	〃	69018	8021	7615	7769	25.2	−15.4	7925	9.6	−31.0

Synoptic Results for Nagano Prefecture (V).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1953	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		36° ′	137° ′											
2915	4432	51.7	52.9	386.63	IX 7	82557	9449	9016	8898	55.1	11.8	9050	39.9	− 3.4
2914	4431	51.0	53.9	381.98	〃	82322	9411	8984	8888	52.3	9.6	9040	37.1	− 5.6
2911	4430	48.2	54.6	461.84	〃	78995	9325	8808	8847	47.8	− 3.9	9000	32.5	−19.2
2909	4429	46.3	54.5	513.56	〃	76948	9280	8705	8820	46.0	−11.5	8972	30.8	−26.7
〃	4433	〃	〃	〃	〃	76942	9279	8704	〃	45.9	−11.6	〃	30.7	−26.8
2907	4428	44.5	53.4	582.55	〃	74544	9252	8600	8794	45.8	−19.4	8946	30.6	−34.6
2905	4427	42.7	53.1	664.76	〃	72228	9274	8530	8768	50.6	−23.8	8921	35.3	−39.1
2903	4426	41.0	51.7	712.31	〃	71640	9362	8565	8743	61.9	−17.8	8896	46.6	−33.1
2901	4425	38.9	51.0	736.49	〃	70642	9337	8513	8713	62.4	−20.0	8866	47.1	−35.3
2899	4423	37.2	51.4	813.47	〃	68133	9324	8413	8688	63.6	−27.5	8841	48.3	−42.8
2897	4422	35.6	51.0	825.55	〃	67477	9295	8372	8665	63.0	−29.3	8818	47.7	−44.6
2895	4421	33.6	50.9	766.54	〃	67071	9073	8215	8636	43.7	−42.1	8790	28.3	−57.5
2893	4420	31.6	51.2	754.59	〃	66489	8978	8133	8608	37.0	−47.5	8761	21.7	−62.8
2891	4419	29.6	52.0	707.54	〃	66642	8848	8056	8579	26.9	−52.3	8732	11.6	−67.6
2889	4418	27.8	51.2	678.55	〃	66937	8788	8028	8553	23.5	−52.5	8706	8.2	−67.8
2887	4417	25.7	51.6	621.97	〃	67156	8635	7939	8523	11.2	−58.4	8676	− 4.1	−73.7
2885	4416	23.6	52.0	575.15	〃	67330	8508	7864	8492	1.6	−62.8	8646	−13.8	−78.2
2883	4415	21.6	52.9	542.32	〃	67385	8412	7805	8464	− 5.2	−65.9	8617	−20.5	−81.2
2880	4414	18.5	54.1	557.20	〃	67002	8420	7796	8419	0.1	−62.3	8573	−15.3	−77.7
2878	4413	16.4	54.7	587.04	〃	66468	8458	7802	8389	6.9	−58.7	8543	− 8.5	−74.1
2876	4412	14.7	55.9	589.58	〃	66307	8450	7790	8364	8.6	−57.4	8518	− 6.8	−72.8
2874	4410	13.9	58.1	584.40	IX 6	66727	8476	7822	8353	12.3	−53.1	8507	− 3.1	−68.5
2872	4409	12.0	58.3	599.53	〃	66036	8454	7783	8326	12.8	−54.3	8480	− 2.6	−69.7
2870	4408	10.0	57.5	633.92	〃	65175	8474	7764	8297	17.7	−53.3	8451	2.3	−68.7
2868	4407	08.1	56.4	681.75	〃	64747	8579	7816	8270	30.9	−45.4	8424	15.5	−60.8

Synoptic Results for Nagano Prefecture (VI).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1953	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		36° ,	138°,											
3620	4302	59.2	35.1	271.46	IX 2	84870	9325	9021	9006	31.9	1.5	9158	16.7	−13.7
3622	4301	58.8	33.8	321.57	〃	83849	9377	9018	9000	37.7	1.8	9153	22.4	−13.5
3624	4300	58.9	31.7	308.41	〃	84417	9394	9048	9002	39.2	4.6	9154	24.0	−10.6
3626	4299	58.6	29.3	303.55	〃	84885	9425	9086	8997	42.8	8.9	9150	27.5	− 6.4
3628	4298	57.9	27.0	310.80	〃	84603	9419	9072	8987	43.2	8.5	9140	27.9	− 6.8
3630	4297	56.5	25.4	307.54	〃	84013	9350	9006	8967	38.3	3.9	9120	23.0	−11.4
3632	4296	55.0	24.0	312.24	〃	82587	9222	8873	8945	27.7	− 7.2	9098	12.4	−22.5
3634	4295	53.1	22.8	313.05	〃	81721	9138	8788	8918	22.0	−13.0	9070	6.8	−28.2
3636	4294	51.0	22.1	315.44	〃	81679	9141	8788	8888	25.3	−10.0	9040	10.1	−25.2
3638	4293	49.2	21.8	317.73	〃	82026	9183	8828	8862	32.1	− 3.4	9014	16.9	−18.6
3640	4292	47.1	22.0	365.92	〃	80238	9153	8744	8831	32.2	− 8.7	8984	16.9	−24.0
3642	4291	45.0	22.4	392.86	〃	80422	9255	8815	8801	45.4	1.4	8954	30.1	−13.9
3644	4290	44.3	20.7	333.74	〃	80602	9090	8717	8791	29.9	− 7.4	8944	14.6	−22.7
3646	4289	43.1	18.5	331.12	〃	80015	9023	8653	8773	25.0	−12.0	8926	9.7	−27.3
3648	4288	42.5	16.0	339.67	〃	79453	8994	8613	8765	22.9	−15.2	8918	7.6	−30.5
3651	4287	40.6	13.7	377.60	〃	78722	9038	8615	8737	30.1	−12.2	8890	14.8	−27.5
Nagano W.S.*	4285	39.6	11.7	418.10	〃	77163	9007	8539	8723	28.4	−18.4	8876	13.1	−33.7
3653	4286	39.4	11.8	379.04	〃	78158	8986	8561	8720	26.6	−15.9	8873	11.3	−31.2
3655	4303	37.5	11.2	354.55	〃	79134	9008	8611	8693	31.5	− 8.2	8846	16.2	−23.5
3657	4304	36.0	09.7	360.36	〃	78915	9004	8600	8671	33.3	− 7.1	8824	18.0	−22.4
3659	4284	34.1	08.6	354.75	〃	79262	9021	8624	8644	37.7	− 2.0	8797	22.4	−17.3
3661	4305	32.4	07.8	357.13	〃	79409	9043	8643	8619	42.4	2.4	8772	27.1	−12.9
3663	4306	30.4	08.6	367.84	〃	79139	9049	8638	8590	45.9	4.8	8744	30.5	−10.6
3665	4282	28.5	09.7	382.70	IX 1	78238	9005	8577	8563	44.2	1.4	8716	28.9	−13.9
3667	4309	27.6	11.2	402.19	IX 3	77564	8998	8548	8550	44.8	− 0.2	8703	29.5	−15.5
3669	4310	25.3	11.8	413.96	〃	76377	8915	8452	8517	39.8	− 6.5	8670	24.5	−21.8
3671	4311	24.6	14.3	445.69	〃	75347	8910	8411	8507	40.3	− 9.6	8660	25.0	−24.9
3672	4449	24.2	15.4	458.50	IX 8	74781	8893	8380	8501	39.2	−12.1	8655	23.8	−27.5
3673	4448	23.5	14.7	444.55	〃	74870	8859	8361	8491	36.8	−13.0	8644	21.5	−28.3
3675	4447	23.1	12.0	450.28	〃	74964	8886	8382	8485	40.1	−10.3	8639	24.7	−25.7

* Weather Station Bench Mark.

Table XVII. (Continued)

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1953	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		36° ,	138°,											
3677	4446	22.3	09.6	503.53	IX 8	74010	8955	8391	8474	48.1	− 8.3	8627	32.8	−23.6
3679	4445	22.2	07.1	597.18	〃	72271	9070	8402	8472	59.8	− 7.0	8626	44.4	−22.4
3681	4444	23.2	06.1	748.54	〃	69502	9260	8423	8487	77.3	− 6.4	8640	62.0	−21.7
3683	4443	22.9	05.0	912.82	〃	66052	9422	8401	8482	94.0	− 8.1	8636	78.6	−23.5
3687	4442	22.4	03.3	978.96	〃	64210	9442	8347	8475	96.7	−12.8	8629	81.3	−28.2
3690	4441	21.2	02.1	765.61	〃	67451	9108	8251	8458	65.0	−20.7	8611	49.7	−36.0
			137°											
3693	4440	20.0	59.8	683.79	〃	67519	8862	8097	8441	42.1	−34.4	8594	26.8	−49.7
3695	4439	18.7	59.0	748.81	〃	65509	8862	8024	8422	44.0	−39.8	8576	28.6	−55.2
3699	4438	17.1	58.3	719.37	〃	65418	8762	7957	8399	36.3	−44.2	8553	20.9	−59.6
3701	4436	15.1	58.7	628.75	IX 7	66836	8624	7920	8370	25.4	−45.0	8524	10.0	−60.4

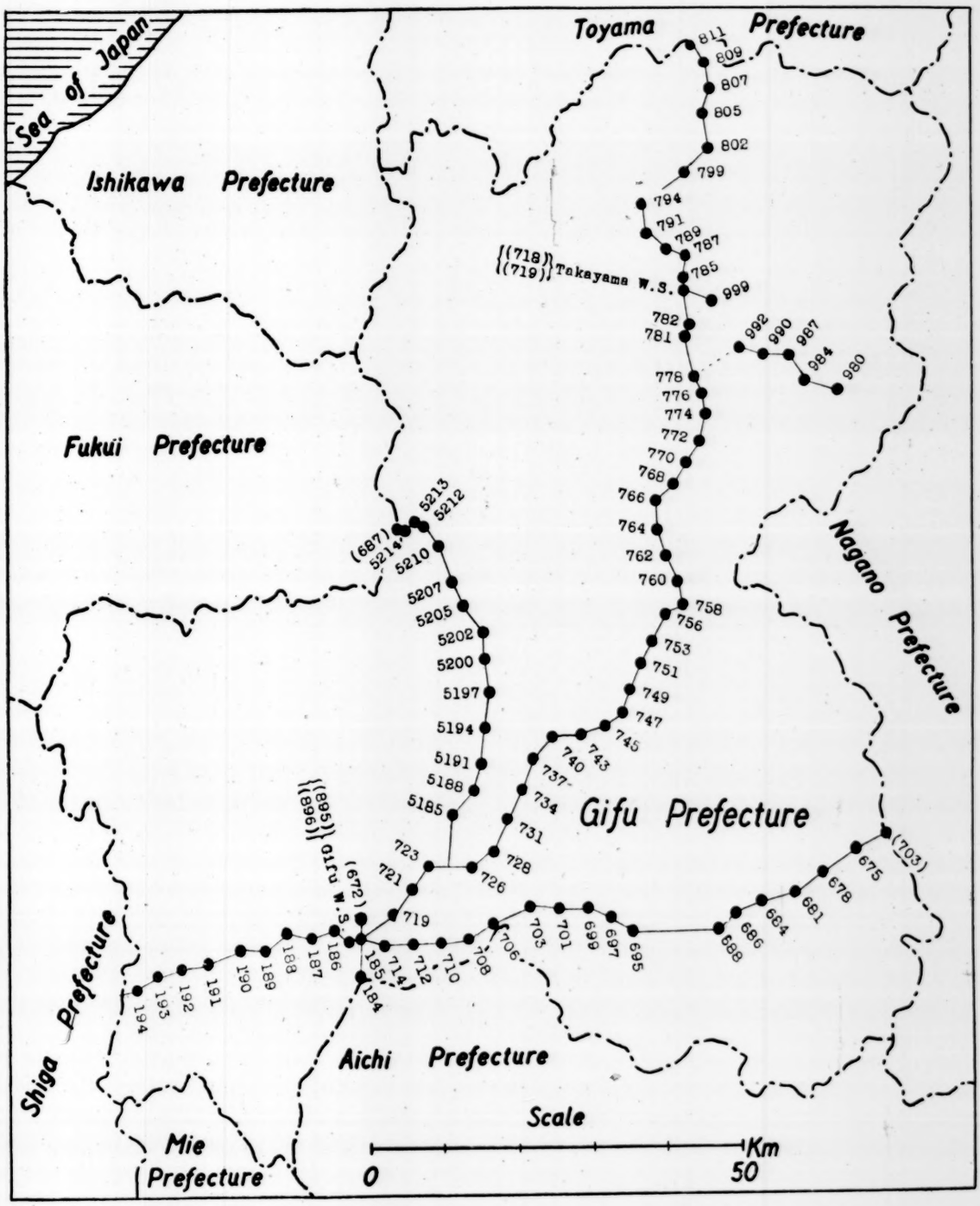


Fig. 14. Gravity Stations in Gifu Prefecture.

(20) Gifu Prefecture.

Table XVIII. Synoptic Results for Gifu Prefecture (I).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		35° ′	137°′											
675	702	29.9	30.6	332.96	X 31	70791	8107	7734	7724	38.3	1.0	7879	22.8	−14.5
678	701	28.4	28.3	333.04	〃	70473	8075	7702	7702	37.3	0.0	7858	21.7	−15.6
681	700	27.2	25.1	270.68	〃	72131	8048	7746	7685	36.3	6.1	7841	20.7	− 9.5
684	699	26.1	21.7	294.55	〃	71738	8083	7753	7670	41.3	8.3	7825	25.8	− 7.2
686	698	25.0	19.5	236.37	〃	72734	8003	7738	7654	34.9	8.4	7810	19.3	− 7.2
〃	〃	〃	〃	〃	〃	72744	8004	7739	〃	35.0	8.5	〃	19.4	− 7.1
688	697	23.9	17.6	197.83	〃	73244	7935	7714	7639	29.6	7.5	7794	14.1	− 8.0
695	696	24.5	10.8	174.77	〃	73758	7915	7720	7647	26.8	7.3	7802	11.3	− 8.2
697	695	25.6	08.8	134.17	〃	74822	7896	7746	7663	23.3	8.3	7818	7.8	− 7.2
699	694	26.0	06.7	112.47	〃	75433	7890	7765	7668	22.2	9.7	7824	6.6	− 5.9
701	693	25.9	04.2	105.26	〃	75480	7873	7755	7667	20.6	8.8	7822	5.1	− 6.7
703	692	26.2	01.8	66.91	〃	76393	7846	7771	7671	17.5	10.0	7827	1.9	− 5.6
			136°											
706	691	25.2	58.3	56.66	〃	76721	7847	7784	7657	19.0	12.7	7812	3.5	− 2.8
708	690	24.1	56.5	53.96	〃	76573	7824	7763	7641	18.3	12.2	7797	2.7	− 3.4
710	689	24.0	53.9	49.81	〃	76357	7789	7734	7640	14.9	9.4	7795	− 0.6	− 6.1
712	704	23.7	51.2	32.88	〃	76301	7732	7695	7636	9.6	5.9	7791	− 5.9	− 9.6
714	688	23.7	48.7	12.26	〃	76317	7670	7656	7636	3.4	2.0	7791	−12.1	−13.5
J. 185	356	24.0	46.3	10.41	〃	76015	7634	7622	7640	− 0.6	− 1.8	7795	−16.1	−17.3
〃	〃	〃	〃	〃	VI 18	76021	7634	7623	〃	− 0.6	− 1.7	〃	−16.1	−17.2
184	357	22.0	45.9	10.66	VI 17	75404	7573	7561	7611	− 3.8	− 5.0	7767	−19.4	−20.6
Gifu W.S.*	895	23.9	45.9		XI 18	75877			7639			7794		
〃 **	896	〃	〃	12.80	〃	75891	7629	7614	〃	− 1.0	− 2.5	〃	−16.5	−18.0
186	355	24.5	44.1	10.47	VI 18	75826	7615	7603	7647	− 3.2	− 4.4	7802	−18.7	−19.9
187	354	24.2	41.8	8.40	〃	75307	7557	7547	7643	− 8.6	− 9.6	7798	−24.1	−25.1
188	353	24.3	39.6	11.08	〃	75071	7541	7529	7644	−10.3	−11.5	7800	−25.9	−27.1
189	352	23.1	37.8	16.69	〃	74418	7493	7475	7627	−13.4	−15.2	7783	−29.0	−30.8
190	351	23.3	35.6	10.98	〃	74809	7515	7503	7630	−11.5	−12.7	7785	−27.0	−28.2
191	350	22.6	33.2	20.70	〃	74730	7537	7514	7620	− 8.3	−10.6	7775	−23.8	−26.1
〃	〃	〃	〃	〃	VI 17	74744	7538	7515	〃	− 8.2	−10.5	〃	−23.7	−26.0
192	349	22.1	30.7	66.69	〃	73500	7556	7481	7613	− 5.7	−13.2	7768	−21.2	−28.7

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

** Weather Station Bench Mark.

Table XVIII. (Continued)

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		35° ,	136°,											
193	348	21.5	28.2	123.03	VI 17	72199	7600	7462	7604	− 0.4	−14.2	7760	−16.0	−29.8
194	347	20.7	26.1	157.20	〃	71609	7646	7470	7593	5.3	−12.3	7748	−10.2	−27.8

Synoptic Results for Gifu Prefecture (II).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g^{0''}$ (mgal.)
		36° ,	137°,											
811	714	26.7	15.7	224.67	XI 1	78108	8504	8253	8537	− 3.3	−28.4	8690	−18.6	−43.7
809	715	25.5	17.0	281.44	〃	76134	8482	8167	8520	− 3.8	−35.3	8673	−19.1	−50.6
807	713	24.0	17.7	322.17	〃	75280	8522	8162	8498	2.4	−33.6	8652	−13.0	−49.0
805	712	22.3	16.9	339.55	〃	74654	8513	8133	8474	3.9	−34.1	8627	−11.4	−49.4
802	711	19.8	18.0	392.30	〃	73411	8552	8113	8438	11.4	−32.5	8591	− 3.9	−47.8
〃	〃	〃	〃	〃	〃	73412	8552	8113	〃	11.4	−32.5	〃	− 3.9	−47.8
799	716	18.3	15.3	657.66	〃	69162	8946	8210	8416	53.0	−20.6	8570	37.6	−36.0
794	709	15.6	12.2	637.72	〃	69616	8930	8216	8377	55.3	−16.1	8531	39.9	−31.5
791	708	13.8	11.4	493.59	〃	72332	8756	8204	8352	40.4	−14.8	8505	25.1	−30.1
789	707	12.4	13.2	510.54	〃	71720	8748	8176	8331	41.7	−15.5	8485	26.3	−30.9
787	706	11.8	15.7	534.48	〃	71144	8764	8166	8323	44.1	−15.7	8477	28.7	−31.1
785	705	09.8	15.1	551.74	〃	70533	8756	8139	8294	46.2	−15.5	8448	30.8	−30.9
Takayama W.S.*	718	09.2	15.3	559.84	XI 2	69845	8712	8086	8285	42.7	−19.9	8440	27.2	−35.4
〃 **	719	〃	〃	563.12	〃	69799	8718	8088	〃	43.3	−19.7	〃	27.8	−35.2
782	720	06.8	16.0	598.51	〃	68324	8679	8010	8251	42.8	−24.1	8405	27.4	−39.5

* Weather Station Bench Mark.

** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

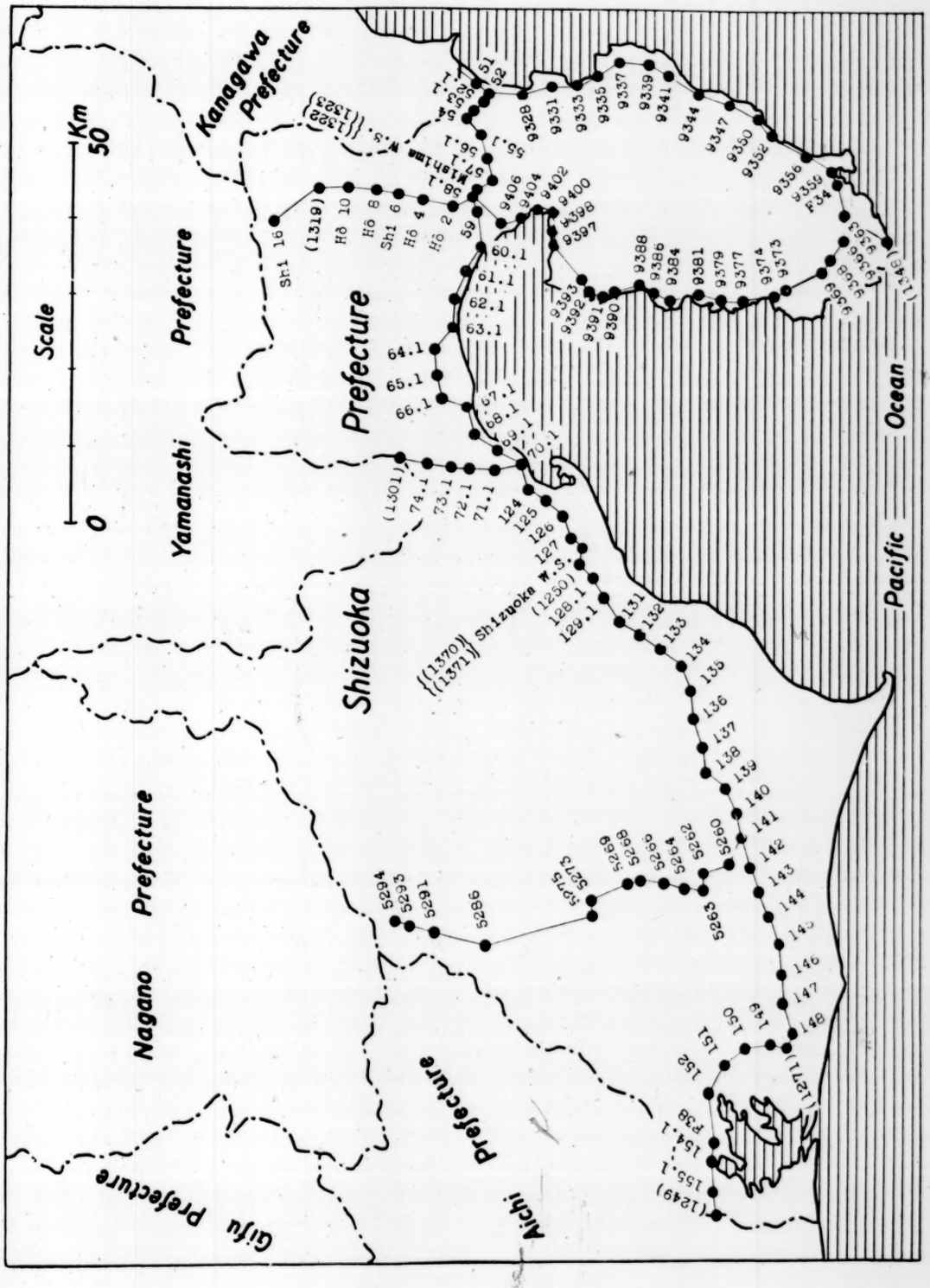
781	721	05.9	15.9	621.64	〃	67089	8627	7932	8238	38.9	−30.6	8392	23.5	−46.0
778	722	03.7	16.3	709.13	〃	64588	8647	7854	8207	44.0	−35.3	8361	28.6	−50.7
776	734	02.0	17.4	650.69	XI 3	65079	8516	7788	8182	33.4	−39.4	8336	18.0	−54.8
774	733	00.3	17.7	612.28	〃	64935	8383	7698	8158	22.5	−46.0	8312	7.1	−61.4
		35°												
772	732	58.7	16.9	570.69	〃	65610	8322	7684	8135	18.7	−45.1	8289	3.3	−60.5
770	731	57.0	15.9	524.96	〃	66529	8273	7686	8111	16.2	−42.5	8265	0.8	−57.9
768	730	55.5	14.2	490.07	〃	67131	8226	7677	8089	13.7	−41.2	8244	− 1.8	−56.7
766	729	54.6	12.4	455.62	〃	67618	8168	7658	8076	9.2	−41.8	8231	− 6.3	−57.3
764	728	52.4	12.7	420.83	〃	67963	8095	7624	8045	5.0	−42.1	8199	−10.4	−57.5
762	735	50.4	14.0	392.47	〃	68095	8021	7582	8016	0.5	−43.4	8171	−15.0	−58.9
760	736	48.4	14.6	389.82	〃	68390	8042	7606	7988	5.4	−38.2	8142	−10.0	−53.6
758	737	46.8	15.5	353.66	〃	69389	8030	7635	7965	6.5	−33.0	8120	− 9.0	−48.5
756	738	46.4	13.5	326.65	〃	69860	7994	7629	7959	3.5	−33.0	8114	−12.0	−48.5
753	739	44.3	12.8	290.43	〃	71150	8011	7686	7929	8.2	−24.3	8084	− 7.3	−39.8
751	740	42.8	11.8	295.38	〃	71190	8031	7700	7908	12.3	−20.8	8063	− 3.2	−36.3
749	741	41.3	10.5	254.25	〃	72285	8013	7729	7886	12.7	−15.7	8041	− 2.8	−31.2
747	742	39.6	09.7	228.53	〃	73227	8028	7772	7862	16.6	− 9.0	8017	1.1	−24.5
745	892	38.8	08.0	299.61	XI 18	72396	8164	7829	7851	31.3	− 2.2	8006	15.8	−17.7
743	893	37.8	06.3	329.42	〃	71509	8168	7799	7836	33.2	− 3.7	7991	17.7	−19.2
740	891	37.9	03.5	205.77	〃	73793	8014	7784	7838	17.6	− 5.4	7993	2.1	−20.9
737	890	36.4	01.7	147.04	〃	75175	7971	7807	7817	15.4	− 1.0	7971	0.0	−16.4
734	889	34.0	00.6	121.69	〃	75719	7947	7811	7782	16.5	2.9	7937	1.0	−12.6
			136°											
731	888	31.8	59.8	92.16	〃	76508	7935	7832	7751	18.4	8.1	7906	2.9	− 7.4
728	887	29.8	58.2	68.61	〃	77049	7917	7840	7722	19.5	11.8	7878	3.9	− 3.8
726	886	29.0	56.2	56.96	〃	77118	7888	7824	7711	17.7	11.3	7866	2.2	− 4.2
723	673	29.0	52.3	43.39	X 30	76958	7830	7781	7711	11.9	7.0	7866	− 3.6	− 8.5
〃	〃	〃	〃	〃	XI 18	76955	7829	7781	〃	11.8	7.0	〃	− 3.7	− 8.5
721	894	27.4	50.6	31.91	〃	76816	7780	7744	7688	9.2	5.6	7844	− 6.4	−10.0
719	885	25.7	49.3	26.36	〃	76432	7725	7695	7664	6.1	3.1	7819	− 9.4	−12.4

Synoptic Results for Gifu Prefecture (III).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		36° ,	137°,											
999	717	07.8	17.1	626.16	XI 2	68338	8766	8065	8265	50.1	−20.0	8419	34.7	−35.4
992	723	05.2	20.6	730.30	〃	64518	8706	7888	8228	47.8	−34.0	8382	32.4	−49.4
990	724	04.6	22.5	765.06	〃	62972	8658	7802	8220	43.8	−41.8	8374	28.4	−57.2
〃	〃	〃	〃	〃	〃	62982	8659	7803	〃	43.9	−41.7	〃	28.5	−57.1
987	725	04.4	25.0	837.20	〃	60747	8658	7722	8217	44.1	−49.5	8371	28.7	−64.9
984	726	02.7	26.5	866.44	〃	60021	8676	7706	8192	48.4	−48.6	8346	33.0	−64.0
980	727	02.0	29.2	975.83	〃	58182	8830	7738	8182	64.8	−44.4	8336	49.4	−59.8

Synoptic Results for Gifu Prefecture (IV).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		35° ,	136°,											
5214	686	52.4	50.0	674.79	X 30	66165	8699	7944	8045	65.4	−10.1	8199	50.0	−25.5
5213	685	52.5	50.8	446.39	〃	70538	8431	7932	8046	38.5	−11.4	8201	23.0	−26.9
〃	〃	〃	〃	〃	〃	70515	8429	7930	〃	38.3	−11.6	〃	22.8	−27.1
5212	684	52.8	51.7	364.95	〃	72345	8361	7952	8051	31.0	− 9.9	8205	15.6	−25.3
5210	683	51.0	52.8	321.96	〃	72909	8285	7924	8025	26.0	−10.1	8179	10.6	−25.5
5207	682	48.2	54.4	275.87	〃	73517	8203	7894	7985	21.8	− 9.1	8140	6.3	−24.6
5205	681	46.6	55.6	240.63	〃	73959	8139	7869	7962	17.7	− 9.3	8117	2.2	−24.8
5202	680	44.6	57.4	217.08	〃	74306	8101	7858	7933	16.8	− 7.5	8088	1.3	−23.0
5200	679	42.9	57.2	199.43	〃	74371	8053	7829	7909	14.4	− 8.0	8064	− 1.1	−23.5
5197	678	40.8	58.2	170.17	〃	74763	8001	7811	7879	12.2	− 6.8	8034	− 3.3	−22.3
5194	677	38.1	57.2	132.08	〃	75350	7943	7795	7841	10.2	− 4.6	7996	− 5.3	−20.1
5191	676	35.7	57.2	106.47	〃	76011	7930	7811	7807	12.3	0.4	7962	− 3.2	−15.1
5188	675	34.4	56.6	87.82	〃	76412	7912	7814	7788	12.4	2.6	7943	− 3.1	−12.9
5185	674	32.4	54.9	79.09	〃	76694	7914	7825	7759	15.5	6.6	7915	− 0.1	− 9.0



(21) **Shizuoka Prefecture.**

Fig. 15. Gravity Stations in Shizuoka Prefecture.

Table XIX. Synoptic Results for Shizuoka Prefecture (I).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1952	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		35°,	139°,											
51	1331	07.0	05.9	77.04	I 22	80074	8245	8159	7399	84.6	76.0	7555	69.0	60.4
J. 52	1330	05.9	04.7	49.15	〃	81519	8304	8249	7383	92.1	86.6	7539	76.5	71.0
52.1	1329	05.9	04.1	138.56	I 21	79725	8400	8245	7383	101.7	86.2	7539	86.1	70.6
53.1	1328	06.7	03.1	406.31	〃	73834	8637	8183	7394	124.3	78.9	7550	108.7	63.3
54	1327	07.0	02.5	617.40	〃	68826	8788	8097	7399	138.9	69.8	7555	123.3	54.2
55.1	1326	06.6	00.3	306.50	〃	74602	8406	8063	7393	101.3	67.0	7549	85.7	51.4
			138°											
56.1	1325	05.9	58.1	110.47	〃	78890	8230	8106	7383	84.7	72.3	7539	69.1	56.7
57.1	1324	05.4	56.1	11.36	〃	80747	8110	8097	7376	73.4	72.1	7532	57.8	56.5
Mishima W.S.*	1323	06.7	55.7	20.71	〃	80005	8064	8041	7394	67.0	64.7	7550	51.4	49.1
〃 **	1322	〃	〃		〃	79975			〃			〃		
58.1	1313	07.0	54.8	26.57	〃	79464	8028	7999	7399	62.9	60.0	7555	47.3	44.4
59	1312	06.3	53.8	18.48	I 20	79698	8027	8006	7389	63.8	61.7	7545	48.2	46.1
60.1	1311	06.0	50.7	7.19	〃	78538	7882	7874	7384	49.8	49.0	7540	34.2	33.4
61.1	1310	07.2	48.5	5.19	〃	77444	7760	7755	7401	35.9	35.4	7557	20.3	19.8
62.1	1309	07.9	46.0	3.72	〃	76695	7681	7677	7411	27.0	26.6	7567	11.4	11.0
63.1	1308	08.2	43.5	3.91	〃	76159	7628	7624	7416	21.2	20.8	7572	5.6	5.2
64.1	1307	09.5	41.6	4.22	〃	75823	7595	7591	7434	16.1	15.7	7590	0.5	0.1
65.1	1306	09.2	39.3	13.28	〃	74714	7512	7498	7430	8.2	6.8	7586	− 7.4	− 8.8
66.1	1305	08.8	37.3	42.30	〃	73758	7506	7459	7424	8.2	3.5	7580	− 7.4	−12.1
67.1	1304	07.1	36.7	7.43	〃	74054	7428	7420	7400	2.8	2.0	7556	−12.8	−13.6
68.1	1303	06.3	34.3	11.52	〃	73843	7420	7407	7389	3.1	1.8	7545	−12.5	−13.8
69.1	1302	04.7	33.0	12.48	〃	73525	7391	7377	7366	2.5	1.1	7522	−13.1	−14.5
J. 70.1	1296	03.0	31.7	6.04	〃	74145	7433	7426	7342	9.1	8.4	7498	− 6.5	− 7.2
124	1295	02.5	30.5	6.67	〃	74372	7458	7450	7335	12.3	11.5	7491	− 3.3	− 4.1
125	1294	01.0	29.0	4.12	〃	74611	7474	7469	7314	16.0	15.5	7470	0.4	− 0.1
126	1293	00.0	26.9	23.67	〃	74588	7532	7505	7299	23.3	20.6	7456	7.6	4.9
		34°												
127	1292	59.0	24.7	11.67	〃	75354	7571	7558	7285	28.6	27.3	7442	12.9	11.6
Shizuoka W.S.***	1371	58.3	24.4	13.50	25	75503	7592	7577	7275	31.7	30.2	7432	16.0	14.5
〃 ****	1370	〃	〃		I 〃	75485			〃			〃		
128.1	1251	57.2	22.2	22.49	I 17	75797	7649	7624	7260	38.9	36.4	7416	23.3	20.8

* Weather Station, on the Block in the Observation Field.
** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.
*** Weather Station at the Foot of the Silver Pyrheliometer.
**** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

〃	〃	〃	〃	〃	I	19	75812	7651	7625	〃	39.1	36.5	〃	23.5	20.9
129.1	1252	56.7	20.2	25.82	I	17	76633	7743	7714	7253	49.0	46.1	7409	33.4	30.5
131	1253	55.3	17.8	35.38		〃	76702	7779	7740	7233	54.6	50.7	7389	39.0	35.1
132	1254	53.6	17.2	11.03		〃	76949	7729	7717	7209	52.0	50.8	7365	36.4	35.2
133	1255	52.1	15.5	25.11		〃	76641	7742	7714	7188	55.4	52.6	7344	39.8	37.0
134	1256	50.5	14.2	30.52		〃	76600	7754	7720	7165	58.9	55.5	7322	43.2	39.8
135	1257	49.9	11.7	48.16		〃	76130	7762	7708	7157	60.5	55.1	7313	44.9	39.5
136	1258	49.6	09.5	65.79		〃	75631	7766	7693	7152	61.4	54.1	7309	45.7	38.4
〃	〃	〃	〃	〃	I	18	75636	7767	7693	〃	61.5	54.1	〃	45.8	38.4
137	1259	48.9	07.6	139.24	I	17	73995	7829	7673	7143	68.6	53.0	7299	53.0	37.4
138	1260	49.0	05.8	148.77	I	18	74025	7862	7695	7144	71.8	55.1	7301	56.1	39.4
139	1261	47.5	04.6	50.45		〃	75415	7697	7641	7123	57.4	51.8	7279	41.8	36.2
140	1262	46.7	02.5	35.27		〃	75152	7624	7585	7111	51.3	47.4	7268	35 6	31.7
			137°												
J. 141	1263	46.4	59.8	23.06		〃	74942	7565	7540	7107	45.8	43.3	7264	30.1	27.6
142	1264	45.7	58.2	16.86		〃	74643	7516	7497	7097	41.9	40.0	7254	26.2	24.3
143	1265	44.9	55.8	10.66		〃	74250	7458	7446	7086	37.2	36.0	7243	21.5	20.3
144	1266	44.2	53.5	8.88		〃	74219	7449	7439	7076	37.3	36.3	7233	21.6	20.6
145	1267	43.3	51.0	24.76		〃	73679	7444	7417	7064	38.0	35.3	7220	22.4	19.7
146	1268	43.3	48.9	9.33		〃	74640	7493	7482	7064	42.9	41.8	7220	27.3	26.2
147	1269	43.0	46.6	5.78		〃	75233	7541	7535	7059	48.2	47.6	7216	32.5	31.9
148	1270	42.3	44.2	4.01		〃	75346	7547	7543	7049	49.8	49.4	7206	34.1	33.7
Hamamatsu W.S.*	1271	42.7	43.2	31.70		〃	74807	7579	7543	7055	52.4	48.8	7212	36.7	33.1
149	1272	43.8	43.6	37.93		〃	75012	7618	7576	7071	54.7	50.5	7227	39.1	34.9
150	1273	45.9	43.1	51.33		〃	75432	7702	7644	7100	60.2	54.4	7257	44.5	38.7
151	1274	47.3	41.1	50.86		〃	75544	7711	7655	7120	59.1	53.5	7277	43.4	37.8
152	1275	48.3	39.2	7.36		〃	76870	7710	7702	7134	57.6	56.8	7291	41.9	41.1
F. 38	1276	48.1	35.4	18.20		〃	76303	7687	7666	7131	55.6	53.5	7288	39.9	37.8
154.1	1277	48.0	33.8	12.46		〃	76313	7670	7656	7130	54.0	52.6	7287	38.3	36.9
155.1	1278	48.2	31.4	21.72		〃	76074	7674	7650	7133	54.1	51.7	7289	38.5	36.1

* Weather Station Bench Mark.

Synoptic Results for Shizuoka Prefecture (II).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1952	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		35° ,	139°,											
9328	1333	03.5	04.3	14.33	I 22	82035	8248	8232	7349	89.9	88.3	7505	74.3	72.7
9331	1334	01.4	05.8	71.24	〃	80815	8301	8222	7319	98.2	90.3	7475	82.6	74.7
		34°												
9333	1335	59.6	05.2	4.19	〃	82159	8229	8224	7294	93.5	93.0	7450	77.9	77.4
9335	1336	57.9	06.2	8.53	〃	81867	8213	8204	7270	94.3	93.4	7426	78.7	77.8
9337	1337	56.3	07.3	163.86	〃	78930	8399	8215	7247	115.2	96.8	7403	99.6	81.2
9339	1338	54.4	07.2	267.53	〃	76410	8467	8167	7220	124.7	94.7	7377	109.0	79.0
9341	1339	52.5	06.4	90.80	〃	79759	8256	8155	7193	106.3	96.2	7350	90.6	80.5
9344	1340	50.4	04.7	17.18	〃	81199	8173	8154	7164	100.9	99.0	7320	85.3	83.4
9347	1341	48.1	04.0	6.20	〃	81395	8159	8152	7131	102.8	102.1	7288	87.1	86.4
9350	1342	45.9	02.3	36.85	〃	80412	8155	8114	7100	105.5	101.4	7257	89.8	85.7
9352	1343	45.0	00.8	2.43	〃	80932	8101	8098	7088	101.3	101.0	7244	85.7	85.4
			138°											
9356	1344	42.5	58.9	30.18	〃	80119	8105	8071	7052	105.3	101.9	7209	89.6	86.2
9359	1345	40.4	57.6	4.70	〃	80805	8095	8090	7023	107.2	106.7	7180	91.5	91.0
F. 34	1346	40.4	56.7	4.97	I 23	80593	8075	8069	7023	105.2	104.6	7180	89.5	88.9
9363	1347	39.3	53.5	11.22	〃	80447	8079	8067	7007	107.2	106.0	7164	91.5	90.3
Nagatsuro W.S.*	1348	36.0	50.9	55.10	〃	78724	8042	7981	6961	108.1	102.0	7118	92.4	86.3
9366	1349	39.8	51.2	14.34	〃	80313	8076	8060	7014	106.2	104.6	7171	90.5	88.9
9368	1350	40.7	49.7	55.72	〃	79284	8100	8038	7027	107.3	101.1	7184	91.6	85.4
9369	1351	41.1	48.2	112.16	〃	78141	8160	8035	7032	112.8	100.3	7189	97.1	84.6
9373	1352	44.0	47.0	7.18	〃	80876	8110	8102	7073	103.7	102.9	7230	88.0	87.2
9374	1353	44.8	46.7	1.50	〃	81025	8107	8105	7085	102.2	102.0	7241	86.6	86.4
9377	1354	47.3	46.0	63.74	〃	78857	8082	8011	7120	96.2	89.1	7277	80.5	73.4
9379	1355	48.9	46.3	31.69	〃	79787	8077	8041	7143	93.4	89.8	7299	77.8	74.2
9381	1356	50.5	46.4	2.81	〃	81067	8115	8112	7165	95.0	94.7	7322	79.3	79.0
9384	1357	52.3	45.9	117.41	〃	77614	8124	7992	7191	93.3	80.1	7347	77.7	64.5

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

9386	1358	53.6	46.8	4.38		〃	79984	8012	8007	7209	80.3	79.8	7365	64.7	64.2
9388	1359	55.0	47.4	6.56		〃	79985	8019	8011	7229	79.0	78.2	7385	63.4	62.6
〃	〃	〃	〃	〃	I	24	79986	8019	8012	〃	79.0	78.3	〃	63.4	62.7
9390	1360	56.7	46.8	90.56		〃	77718	8051	7950	7253	79.8	69.7	7409	64.2	54.1
9391	1361	57.6	46.9	219.28		〃	75023	8179	7934	7265	91.4	66.9	7422	75.7	51.2
9392	1362	58.2	46.8	1.63		〃	79692	7974	7972	7274	70.0	69.8	7430	54.4	54.2
9393	1363	58.6	47.8	202.68		〃	75695	8195	7968	7280	91.5	68.8	7436	75.9	53.2
		35°													
9397	1364	00.8	51.2	2.24		〃	79685	7975	7973	7311	66.4	66.2	7467	50.8	50.6
9398	1365	01.0	52.2	3.27		〃	79903	8000	7997	7314	68.6	68.3	7470	53.0	52.7
9400	1366	01.0	54.0	19.17		〃	80812	8140	8119	7314	82.6	80.5	7470	67.0	64.9
9402	1367	02.5	54.5	2.43		〃	81005	8108	8105	7335	77.3	77.0	7491	61.7	61.4
9404	1368	02.8	53.2	2.60		〃	80729	8081	8078	7339	74.2	73.9	7495	58.6	58.3
9406	1369	04.6	52.5	2.44	I	25	80813	8089	8086	7365	72.4	72.1	7521	56.8	56.5

Synoptic Results for Shizuoka Prefecture (III).

B.M.	No.	φ	λ	H (m)	Date 1952	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		35° ′	138°′											
Hō 2	1314	08.8	54.2	78.60	I 21	77763	8019	7931	7424	59.5	50.7	7580	43.9	35.1
Hō 4	1315	10.7	54.7	146.72	〃	76330	8086	7922	7451	63.5	47.1	7607	47.9	31.5
Shi 6	1316	12.7	55.2	242.93	〃	74329	8183	7911	7479	70.4	43.2	7635	54.8	27.6
〃	〃	〃	〃	〃	〃	74331	8183	7911	〃	70.4	43.2	〃	54.8	27.6
Hō 8	1317	14.7	55.5	348.41	〃	71947	8270	7880	7508	76.2	37.2	7664	60.6	21.6
Hō 10	1318	17.1	55.8	441.70	〃	69825	8346	7851	7542	80.4	30.9	7697	64.9	15.4
	1319	19.1	55.0	527.60	〃	67500	8378	7788	7570	80.8	21.8	7726	65.2	6.2
Shi △ 16*	1320	21.6	51.8	806.22	〃	63170	8805	7903	7606	119.9	29.7	7761	104.4	14.2
〃	〃	〃	〃	〃	〃	63172	8805	7903	〃	119.9	29.7	〃	104.4	14.2

B.M. printed in Gothic type are 2nd order bench marks.

* Third order triangulation.

Synoptic Results for Shizuoka Prefecture (IV).

B.M.	No.	φ	λ	H (m)	Date 1952	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		35° ,	138°,											
71.1	1297	04.9	31.1	31.43	I 20	73533	7450	7415	7369	8.1	4.6	7525	− 7.5	−11.0
72.1	1298	06.6	31.0	80.29	〃	72443	7492	7402	7393	9.9	0.9	7549	− 5.7	−14.7
73.1	1299	08.3	31.3	226.27	〃	69964	7695	7442	7417	27.8	2.5	7573	12.2	−13.1
74.1	1300	09.8	31.3	233.12	〃	69898	7709	7448	7438	27.1	1.0	7594	11.5	−14.6

Synoptic Results for Shizuoka Prefecture (V).

B.M.	No.	φ	λ	H (m)	Date 1952	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		34° ,	137°,											
5260	1279	47.3	58.0	26.40	I 18	75312	7613	7583	7120	49.3	46.3	7277	33.6	30.6
5262	1280	49.3	57.2	55.71	〃	75617	7734	7671	7148	58.6	52.3	7305	42.9	36.6
5263	1281	49.7	55.9	41.98	〃	75794	7709	7662	7154	55.5	50.8	7310	39.9	35.2
〃	〃	〃	〃	〃	I 19	75784	7708	7661	〃	55.4	50.7	〃	39.8	35.1
5264	1282	50.5	56.5	50.03	〃	75745	7729	7673	7165	56.4	50.8	7322	40.7	35.1
5266	1283	52.3	56.8	77.86	〃	75318	7772	7685	7191	58.1	49.4	7347	42.5	33.8
5268	1284	53.8	56.8	120.81	〃	74503	7823	7688	7212	61.1	47.6	7368	45.5	32.0
5269	1285	54.5	56.5	145.07	〃	73934	7841	7679	7222	61.9	45.7	7378	46.3	30.1
5273	1286	56.8	55.2	192.90	〃	73097	7905	7689	7254	65.1	43.5	7411	49.4	27.8
5275	1287	57.2	53.3	110.15	〃	74758	7816	7692	7260	55.6	43.2	7416	40.0	27.6
		35°												
5286	1288	04.7	50.7	177.56	〃	73918	7940	7741	7366	57.4	37.5	7522	41.8	21.9
5291	1289	08.0	51.9	226.45	〃	72757	7975	7721	7413	56.2	30.8	7569	40.6	15.2
5293	1290	09.9	52.3	263.23	〃	72233	8036	7741	7440	59.6	30.1	7596	44.0	14.5
5294	1291	10.8	52.5	376.65	〃	69998	8162	7741	7452	71.0	28.9	7608	55.4	13.3

(22) Aichi Prefecture.

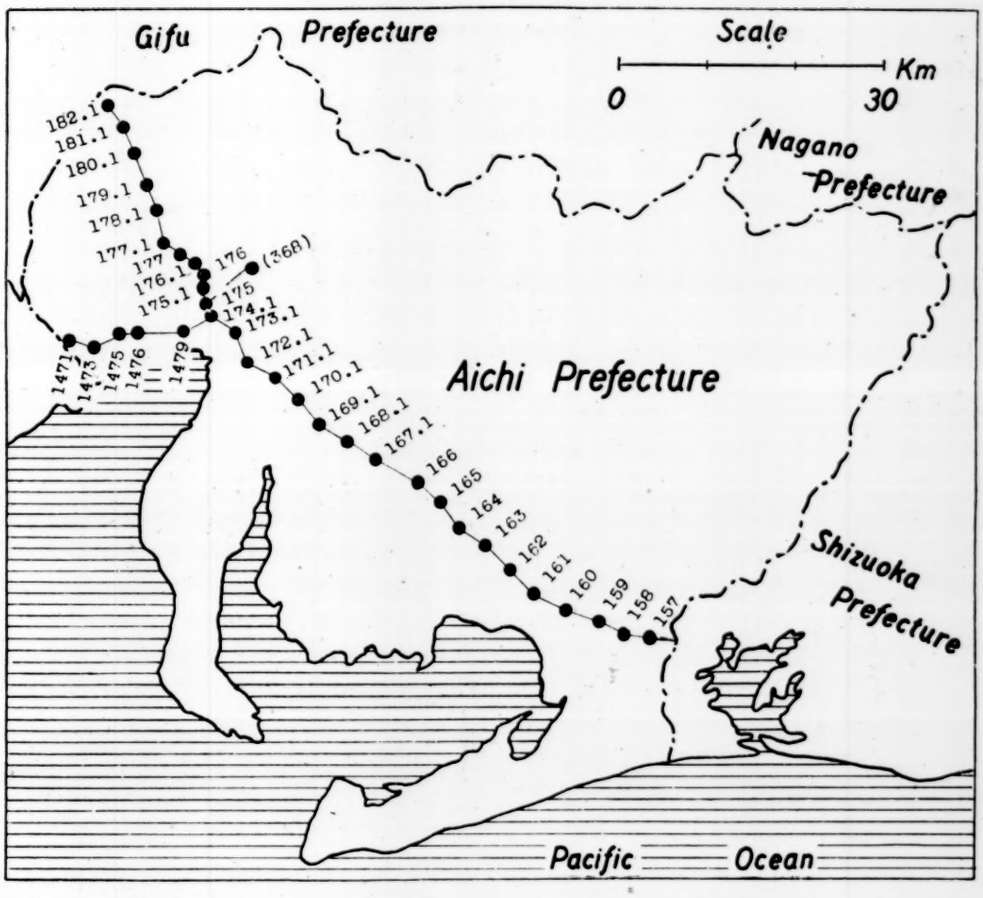


Fig 16. Gravity Stations in Aichi Prefecture.

Table XX. Synoptic Results for Aichi Prefecture (I).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_1 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		35° ,	136°,											
182.1	358	20.9	46.8	8.62	VI 18	75463	7573	7563	7596	− 2.3	− 3.3	7751	−17.8	−18.8
181.1	359	19.0	47.7	8.04	〃	75131	7538	7529	7570	− 3.2	− 4.1	7724	−18.6	−19.5
180.1	360	17.0	48.6	7.62	〃	74797	7503	7495	7540	− 3.7	− 4.5	7696	−19.3	−20.1
179.1	361	15.4	49.8	6.11	〃	75047	7524	7517	7516	0.8	0.1	7673	−14.9	−15.6
178.1	362	13.5	50.3	5.26	〃	74850	7501	7495	7491	1.0	0.4	7647	−14.6	−15.2
177.1	363	11.7	50.8	3.51	〃	74471	7458	7454	7465	− 0.7	− 1.1	7621	−16.3	−16.7
177	301	11.4	52.0	6.14	〃	74585	7477	7471	7461	1.6	1.0	7617	−14.0	−14.6
176.1	364	11.0	53.2	2.88	〃	74946	7504	7500	7455	4.9	4.5	7611	−10.7	−11.1
176	302	10.4	53.8	9.91	1952 I 16	74880	7519	7508	7447	7.2	6.1	7603	− 8.4	− 9.5
Nagoya M.O.*	368	10.0	58.0	51.97	1951 VI 18	74581	7619	7560	7441	17.8	11.9	7597	2.2	− 3.7
175.1	365	09.6	54.3	11.04	〃	74840	7518	7506	7435	8.3	7.1	7591	− 7.3	− 8.5
175	303	08.6	54.2	10.12	〃	74500	7481	7470	7421	6.0	4.9	7577	− 9.6	−10.7
〃	〃	〃	〃	〃	VI 19	74498	7481	7470	〃	6.0	4.9	〃	− 9.6	−10.7
J. 174.1	366	07.1	54.6	4.79	VI 18	73837	7399	7393	7400	− 0.1	− 0.7	7556	−15.7	−16.3
〃	〃	〃	〃	〃	1952 I 16	73817	7397	7391	〃	− 0.3	− 0.9	〃	−15.9	−16.5
173.1	1232	06.3	56.3	13.67	〃	73733	7416	7400	7389	2.7	1.1	7545	−12.9	−14.5
172.1	1233	04.8	57.0	3.28	〃	74571	7467	7464	7367	10.0	9.7	7523	− 5.6	− 5.9
171.1	1234	03.5	59.1	24.93	〃	74171	7494	7466	7349	14.5	11.7	7505	− 1.1	− 3.9
			137°											
170.1	1235	01.9	01.2	4.54	〃	74541	7468	7463	7326	14.2	13.7	7482	− 1.4	− 1.9
169.1	1236	00.4	02.7	11.70	〃	74691	7505	7492	7305	20.0	18.7	7461	4.4	3.1
		34°												
168.1	1237	59.5	04.9	16.80	〃	75479	7600	7581	7292	30.8	28.9	7449	15.1	13.2
167.1	1238	58.4	07.1	20.66	〃	76127	7677	7653	7277	40.0	37.6	7433	24.4	22.0
166	1239	57.3	10.2	19.18	〃	76841	7743	7722	7261	48.2	46.1	7418	32.5	30.4
165	1240	56.0	11.9	29.13	〃	76667	7757	7724	7243	51.4	48.1	7399	35.8	32.5
164	1241	54.5	13.7	59.40	〃	76037	7787	7721	7222	56.5	49.9	7378	40.9	34.3

* Meteorological Observatory Barometer Room, on the Floor.

163	1242	53.4	15.7	94.10	〃	75471	7838	7732	7206	63.2	52.6	7363	47.5	36.9
162	1243	52.0	17.5	68.44	〃	75650	7776	7700	7186	59.0	51.4	7343	43.3	35.7
161	1244	50.5	19.2	28.99	〃	76046	7694	7662	7165	52.9	49.7	7322	37.2	34.0
160	1245	49.7	21.5	12.81	〃	75885	7628	7614	7154	47.4	46.0	7310	31.8	30.4
159	1246	49.0	24.0	12.11	〃	75606	7598	7584	7144	45.4	44.0	7301	29.7	28.3
158	1247	48.3	26.3	13.24	〃	76181	7659	7644	7134	52.5	51.0	7291	36.8	35.3
157	1248	47.9	28.6	62.04	〃	75372	7729	7659	7128	60.1	53.1	7285	44.4	37.4

Synoptic Results for Aichi Prefecture (II).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		35° ′	136° ′											
1471	372	06.2	43.3	1.97	VI 19	71746	7181	7179	7387	−20.6	−20.8	7543	−36.2	−36.4
1473	371	05.7	45.7	−0.54	〃	71992	7198	7198	7380	−18.2	−18.2	7536	−33.8	−33.8
1475	370	06.3	47.4	−0.31	〃	72495	7249	7249	7389	−14.0	−14.0	7545	−29.6	−29.6
1476	369	06.5	48.7	−0.03	〃	72742	7274	7274	7390	−11.6	−11.6	7547	−27.3	−27.3
1479	367	06.6	52.5	0.12	VI 18	73140	7314	7314	7393	− 7.9	− 7.9	7549	−23.5	−23.5

ウォルドン重力計による日本全国の重力測定

第六報　中部地方

坪井忠二・実川　顕・田島広一

これは，中部地方748点における重力測定結果をまとめたものである．測定と計算との方法は，第一報に述べてあるのとほとんど同じであるから，ここにはくりかえさない．結果は第 III 表～第 XI 表（ルート別），第 XII 表～第 XX 表（県別）に示してある．ブーゲー異常の分布は，第 3 図にくわしく示してある．第 4 図はその略図である．

これらの図からわかる主なことがらは，次のとおりである．

1) ブーゲー異常 $\Delta g_0''$ は，日本海の方へ向かつても，あるいは太平洋の方へ向かつても，共に大きくなり，+50 mgal. 程度に達する．中央山地においては，$\Delta g_0''$ は負である．しかも海抜からの高さが高い所ほど，$\Delta g_0''$ の負の絶対値が大きい．これは大きくいつて，アイソスタシー的であるといつてよい．第 5 図は観測点の高さ h とその点における $\Delta g_0''$ との相関図であつて，だいたい負相関を示している．略算の結果によると，AIRY 地殻の厚さは，35 km である．第 6 図は，24×24 の網目点における平均 h と平均 $\Delta g_0''$ との相関図である．この図において，点がすべて直線 $\Delta g_0''=-0.1h$ の右側にあることは注目すべきことである．なおくわしくいうと，$\Delta g_0''$ の負の極値が，h の極値よりも少し南東にあることも注目すべきである．

2) 中部地方の南西端には $\Delta g_0''$ の低部がある．ここは濃尾平野にあたる．その東端においては $\Delta g_0''$ の勾配は大きく，そこの地下構造に何かかなり急な変化があることを示している．

3) 能登半島においては，等異常線はかなり乱れ，$\Delta g_0''$ の低部が半島に沿つて凸出している．

4) 糸魚川・静岡線にあたるところにおいて，$\Delta g_0''$ の分布に非常に著るしい特長がみられるということはないが，その北部と中央部とでは断層的，南部では地向斜的の構造を暗示しているようである．

5) 中央構造線にあたるところでは，$\Delta g_0''$ にほとんど何もあらわれていない．

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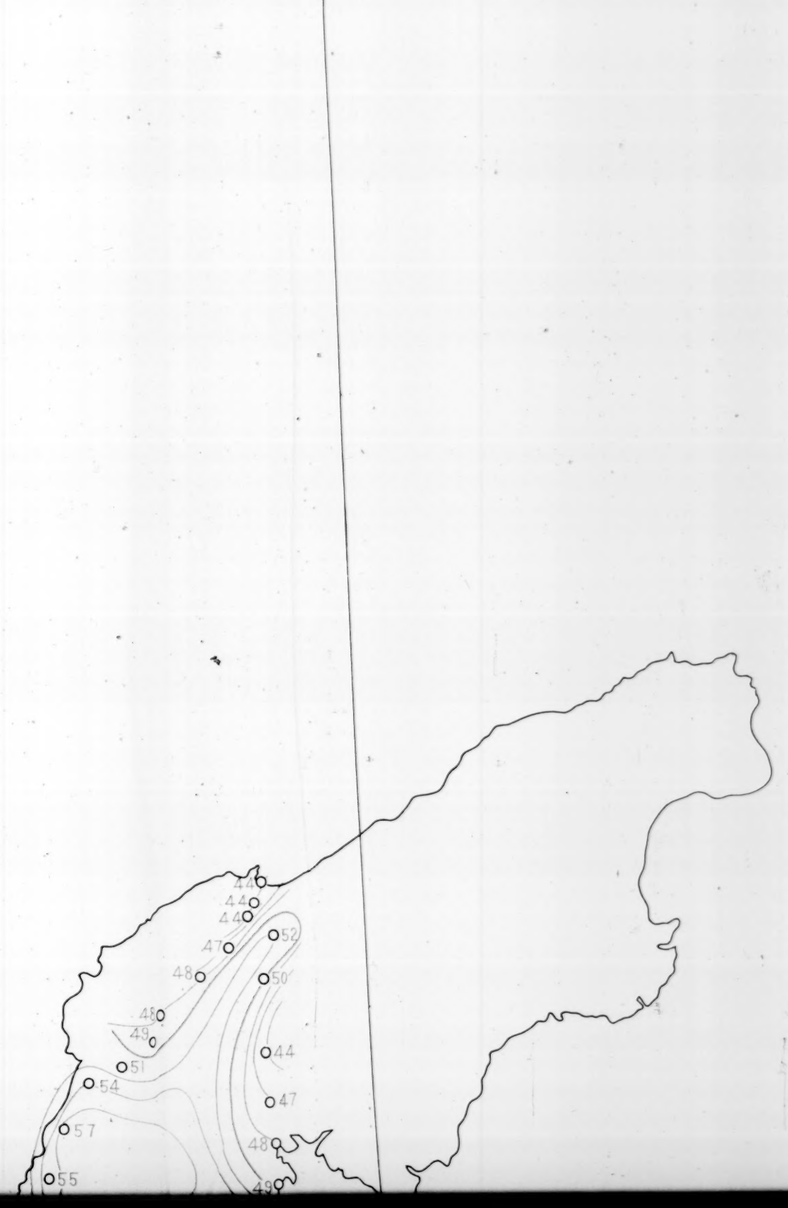
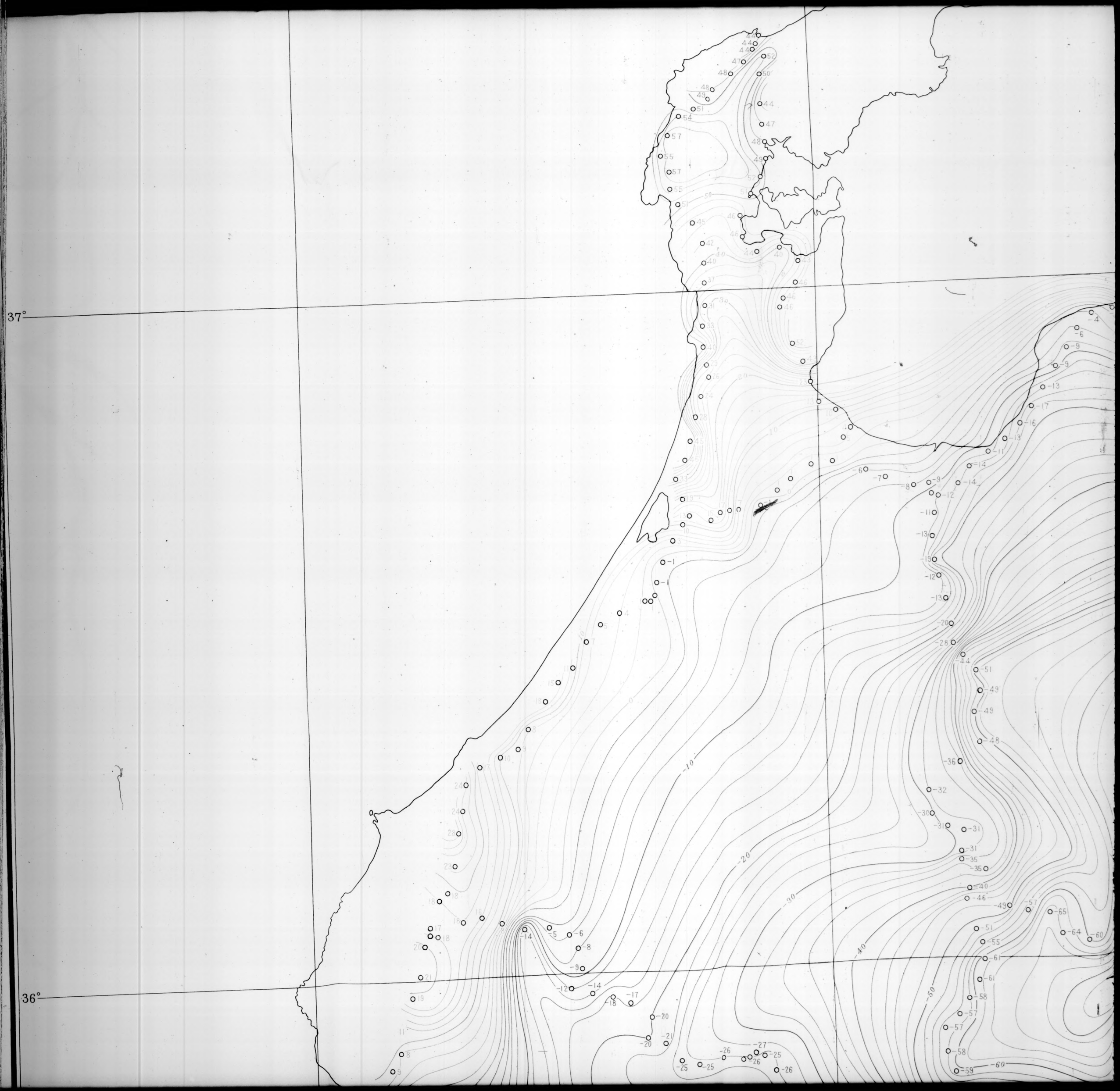
[C. TSUBOI, A. JITSUKAWA and H. TAJIMA.]

BOUGUER ANOMALIES
IN THE CHUBU DISTRIC
BASED ON THE INTERNATIONAL

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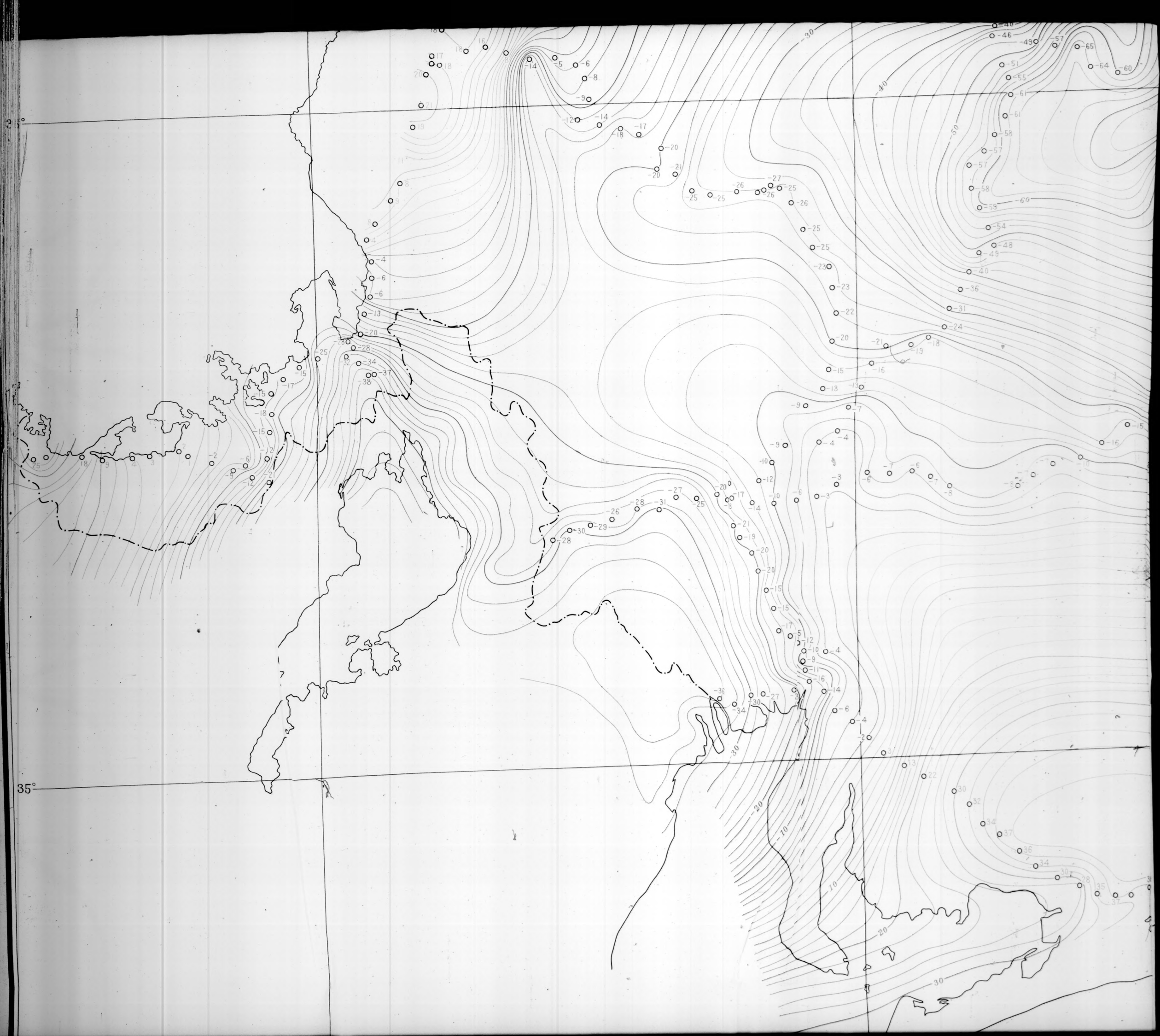
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-----POSITIVE A

-----NEGATIVE

o----- GRAVIMETE

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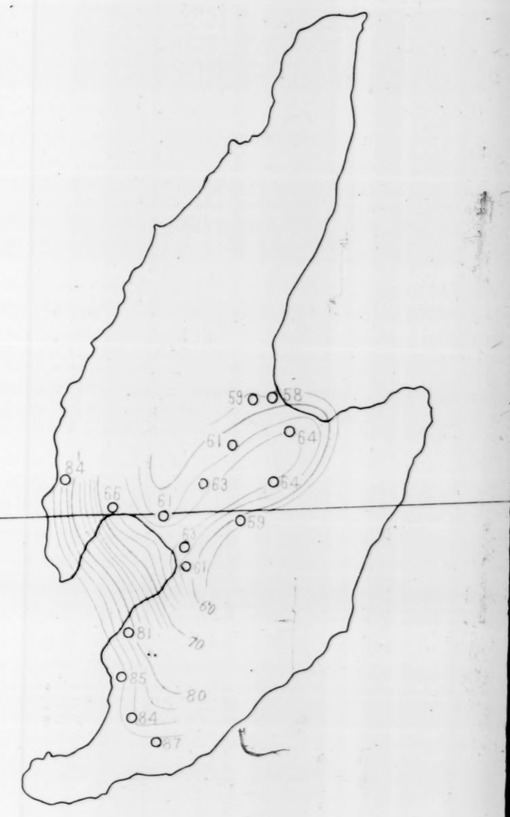
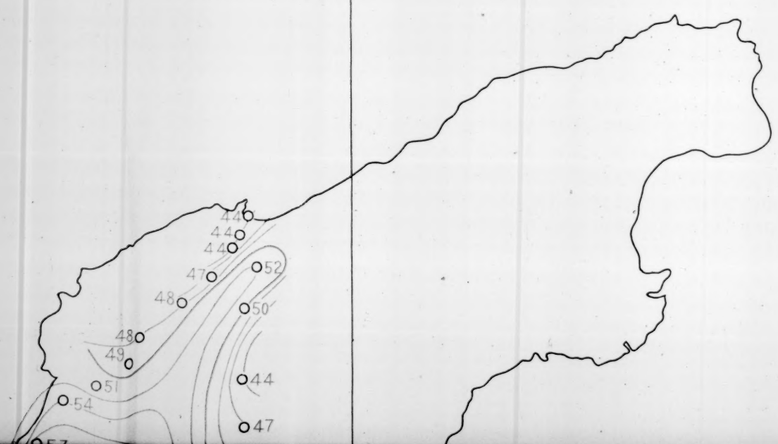
(震研彙報 別冊 第四号 図版 坪井・実川・田島)

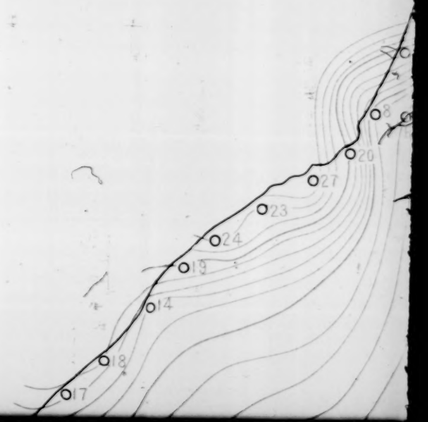
137°

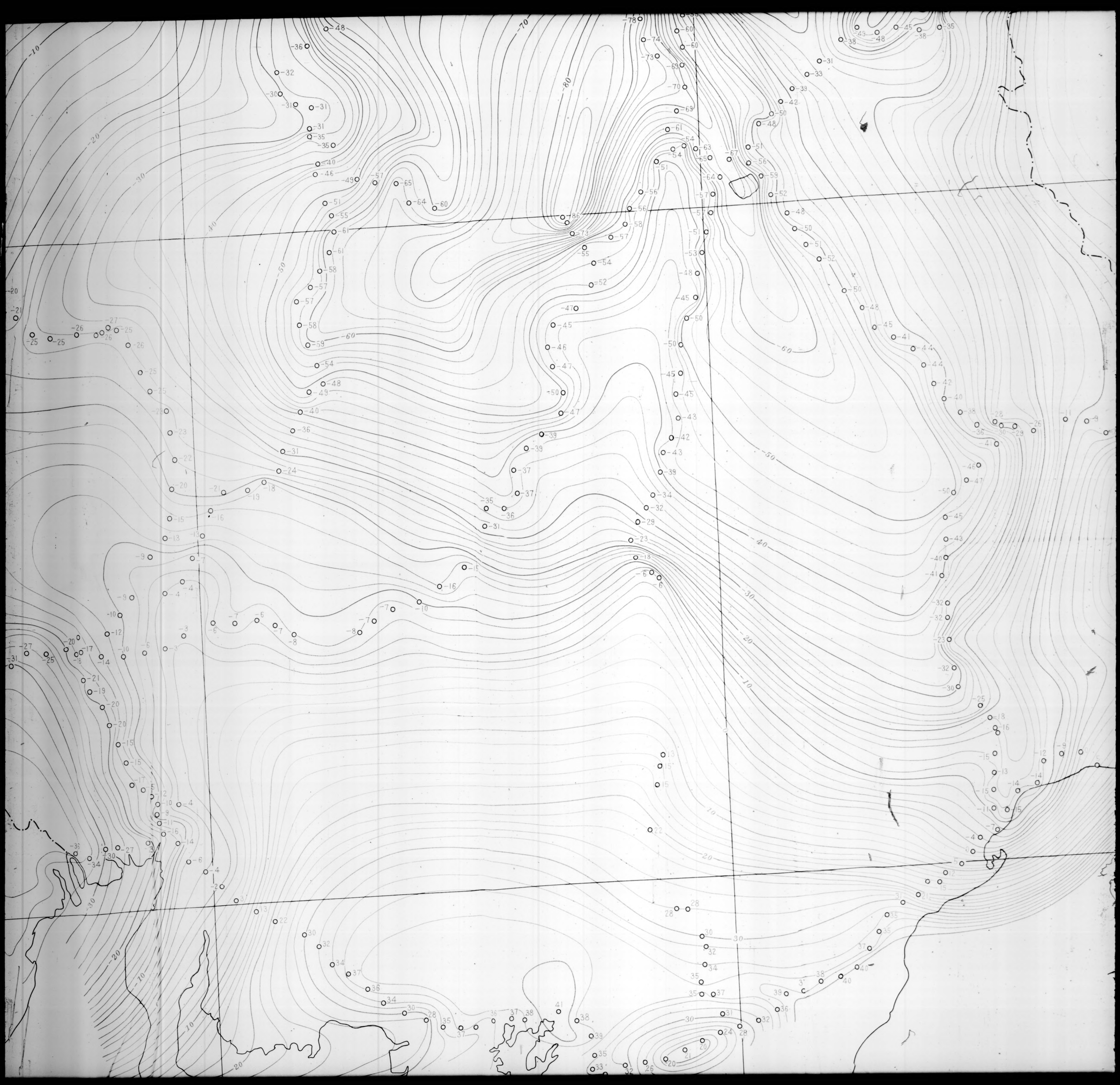
138°

BOUGUER ANOMALIES
IN THE CHUBU DISTRICT
BASED ON THE INTERNATIONAL FORMULA









30 -----POSITIVE ANOMALY (MGAL)

-20 ----- NEGATIVE ANOMALY (MGAL)

o----- GRAVIMETER STATIONS

SCALE
1 : 500,000

10 0 10 20 30 40 50 Km

5 0 10 20 30 Miles

137°

138°

Fig.3. BOUGUER Anomalies in the Chubu D

MULA

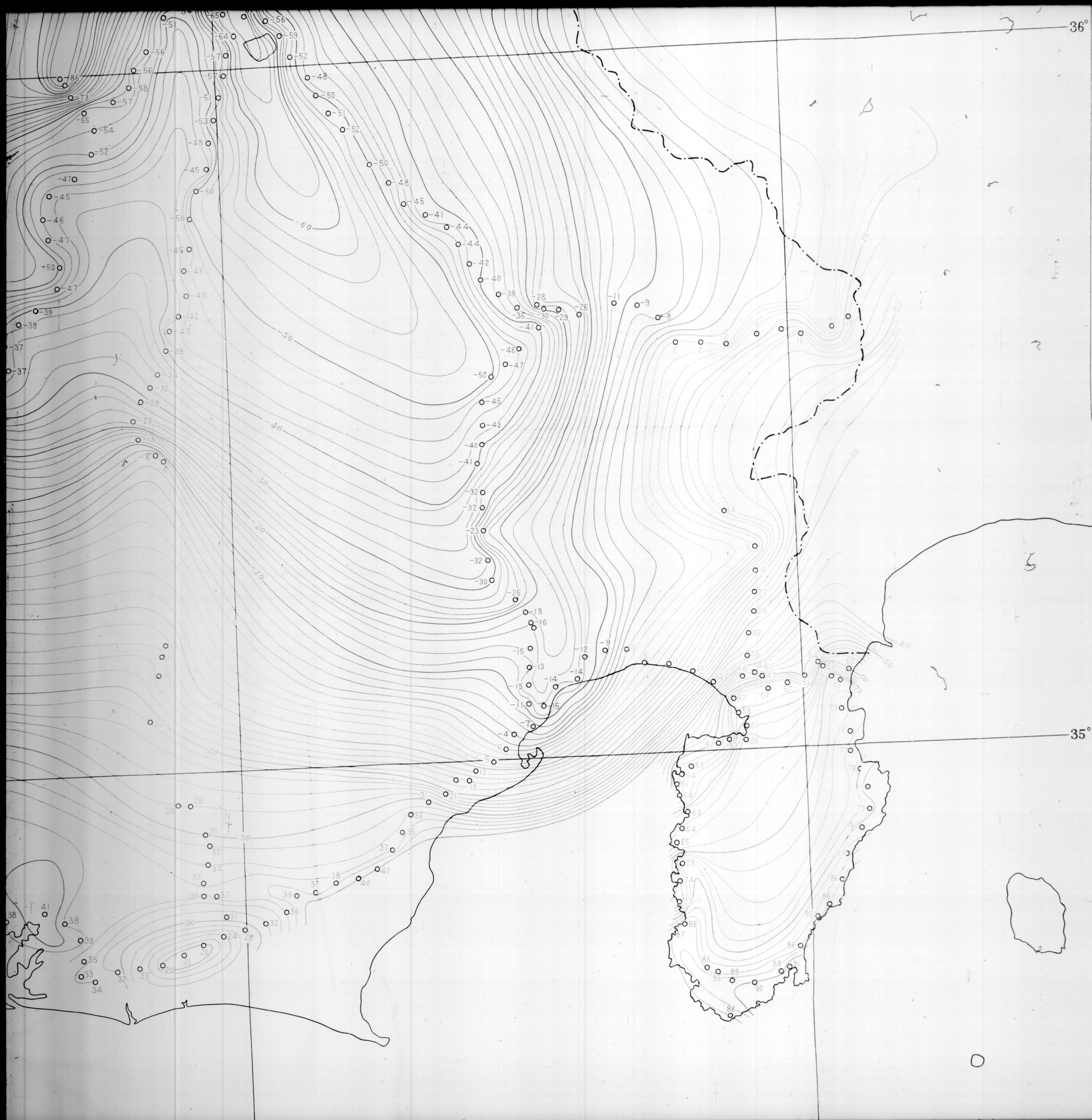
138°

139°

38°

37°

36°


36°
35°

ALY (MGAL)
MALY (MGAL)
TATIONS

30 40 50 Km
20 30 Miles

35°

138°

139°

Fig.3. BOUGUER Anomalies in the Chubu District based on the International Formula. (mgal)

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